

# Calculate Age From Birthday

This solution is not compatible for survey takers on mobile devices.

This JavaScript will calculate age from the date of birth entered in an open-text field.

Check it out in an [example survey](#).

OR

[Add a survey](#) with this setup to your account!

This script uses the following question types or actions:

- [Textbox Question](#) (for Birth Date)
- [Textbox Question](#) (for Age) or Hidden Value
- [Javascript Action](#)

## Setup

1. First, add your date of birth Textbox question.
2. Go to the **Layout** tab of your date of birth question and add the following to the **CSS Class Name** field:
  - Enter **dob** if you are using the DD/MM/YYYY format
  - Enter **dob2** if you are using the MM/DD/YYYY format



CSS Class Name

3. Next, add a field to store your calculated age. This can be a Textbox or a Hidden Value.
4. On the **Layout** tab of your field that stores age add the following to the **CSS Class Name** field:
  - Enter **age** if you are using the DD/MM/YYYY format
  - Enter **age2** if you are using the MM/DD/YYYY format
5. Next, add a Javascript action to the same page and add one of the below JavaScript code snippets.

If your DOB question is in MM/DD/YYYY format copy and paste this Javascript:

```
//calculate age from MM/DD/YYYY formatted date question
//add CSS class "dob2" to date question, "age2" to textbox to store the age
$(document).ready(function() {

    var isMobile = {
        Android: function() {
            return navigator.userAgent.match(/Android/i);
        },
        BlackBerry: function() {
            return navigator.userAgent.match(/BlackBerry/i);
        },
        iOS: function() {
            return navigator.userAgent.match(/iPhone|iPod/i);
        },
        Opera: function() {
            return navigator.userAgent.match(/Opera Mini/i);
        },
        Windows: function() {
            return navigator.userAgent.match(/IEMobile/i);
        },
        any: function() {
            return (isMobile.Android() || isMobile.BlackBerry() || isMobile.iOS() || isMobile.Opera() || isMobile.Windo
ws());
        }
    };
    if (isMobile.any()) {
        // It is mobile

        function calculateAge(birthday) {
            var ageDifMs = Date.now() - birthday.getTime();
            var ageDate = new Date(ageDifMs);
            return Math.abs(ageDate.getUTCFullYear() - 1970);
        }

        $(".dob2 :input").change(function() {
            var birthday = $(this).val();
            birthday = birthday.split("-");
            birthday = new Date(birthday[0], birthday[1] - 1, birthday[2]);
            var age = calculateAge(birthday);
            $(".age2 :text").val(age);
        });
    } else {
        function calculateAge(birthday) {
            var ageDifMs = Date.now() - birthday.getTime();
            var ageDate = new Date(ageDifMs);
            return Math.abs(ageDate.getUTCFullYear() - 1970);
        }

        $(".dob2 :text").change(function() {
            var birthday = $(this).val();
            birthday = new Date(birthday);
            var age = calculateAge(birthday);
            $(".age2 :text").val(age);
        });
    }
});
```

If your DOB question is in DD/MM/YYYY format copy and paste this Javascript:

```

//calculate age from DD/MM/YYYY formatted date question
//add CSS class "dob" to date question, "age" to textbox to store the age
$(document).ready(function() {

    var isMobile = {
        Android: function() {
            return navigator.userAgent.match(/Android/i);
        },
        BlackBerry: function() {
            return navigator.userAgent.match(/BlackBerry/i);
        },
        iOS: function() {
            return navigator.userAgent.match(/iPhone|iPod/i);
        },
        Opera: function() {
            return navigator.userAgent.match(/Opera Mini/i);
        },
        Windows: function() {
            return navigator.userAgent.match(/IEMobile/i);
        },
        any: function() {
            return (isMobile.Android() || isMobile.BlackBerry() || isMobile.iOS() || isMobile.Opera() || isMobile.Windo
ws());
        }
    };
    if (isMobile.any()) {
        // It is mobile

        function calculateAge(birthday) {
            var ageDifMs = Date.now() - birthday.getTime();
            var ageDate = new Date(ageDifMs);
            return Math.abs(ageDate.getUTCFullYear() - 1970);
        }

        $(".dob :input").change(function() {
            var birthday = $(this).val();
            birthday = birthday.split("-");
            birthday = new Date(birthday[0], birthday[1] - 1, birthday[2]);
            var age = calculateAge(birthday);
            $(".age :text").val(age);
        });
    }
    else {
        function calculateAge(birthday) {
            var ageDifMs = Date.now() - birthday.getTime();
            var ageDate = new Date(ageDifMs);
            return Math.abs(ageDate.getUTCFullYear() - 1970);
        }

        $(".dob :text").change(function(){
            var birthday = $(this).val();
            birthday = birthday.split("/");
            birthday = new Date(birthday[2], birthday[1] - 1, birthday[0]);
            var age = calculateAge(birthday);
            $(".age :text").val(age);
        });
    }
});

```

## Limitation

Please note that if your survey respondents enter the date in the wrong format, for example MM-DD-YYYY instead of MM/DD/YYYY, the date will be stored in the requested format but the above script(s) will not be able to evaluate the incorrectly entered date.

## Scripting and Other Custom Solutions

We're always happy to help you debug any documented script that is used as is. That said, we do not have the resources to write scripts on demand or to debug a customized script.

If you have customization ideas that you haven't figured out how to tackle, we're happy to be a sounding board for Alchemer features and functionality ideas that might meet your needs.

Beyond this, check out our [Professional Services](#); these folks have the scripting chops to help you to achieve what you are looking for!

Related Articles