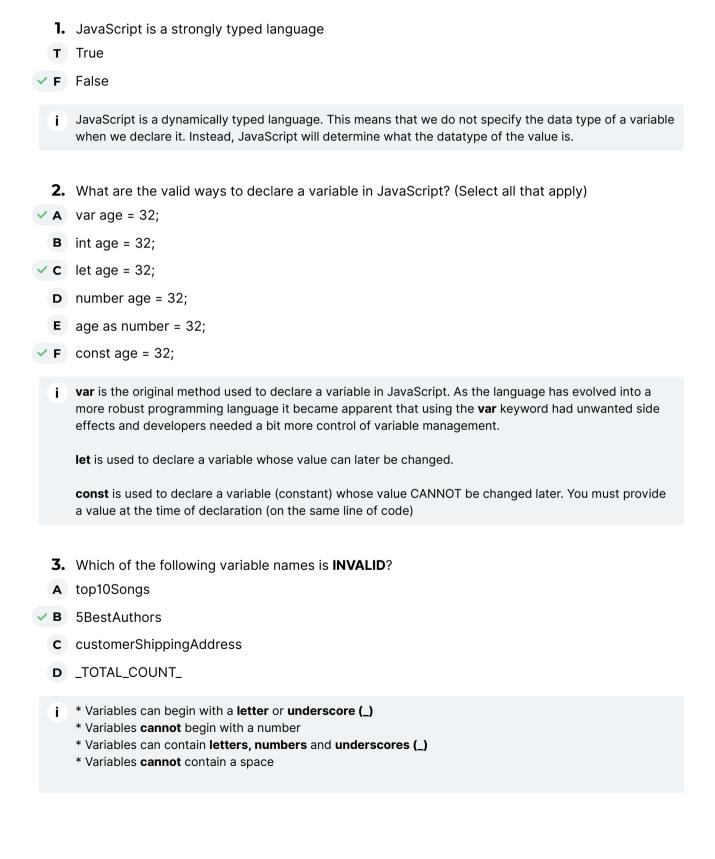
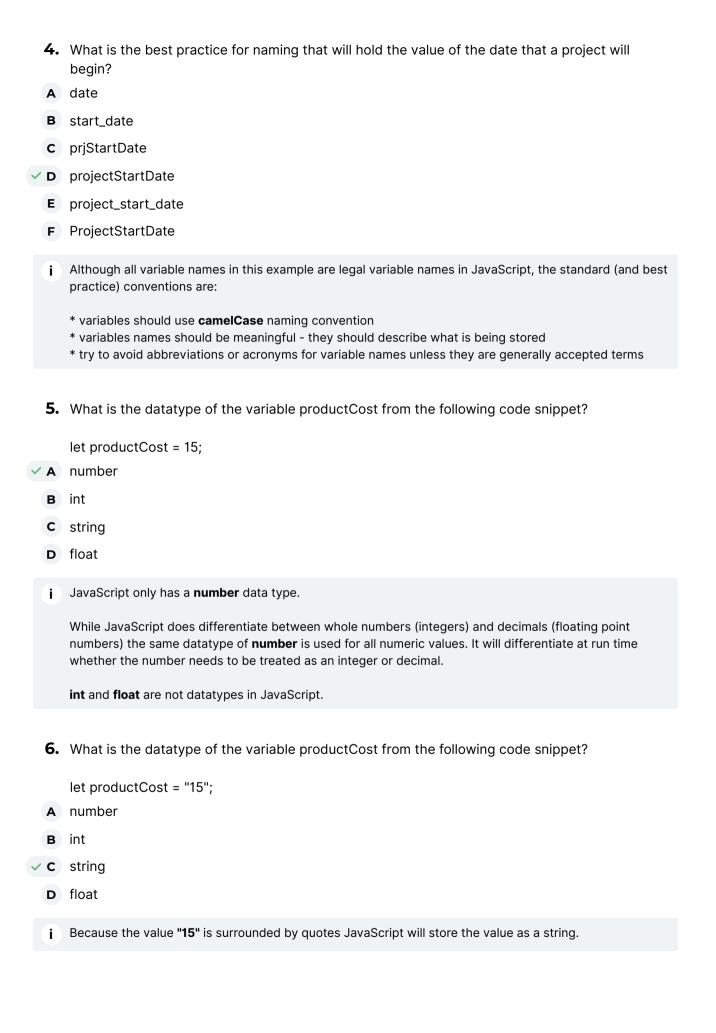


JavaScript Basics





```
7.
    let productCostInput = "15.50";
    let productCost = parseInt(productCostInput)
```

What is the value of **productCost** after the code snippet runs?

(see image)

15

j parseInt() will only parse the whole number (integer) part of the string. The .50 is ignored during the conversion.

```
8.
    let productCostInput = "15.50";
    let productCost = parseInt(productCostInput)
```

What change could you make to line 2 to so that the value of productCost is **15.5** instead of **15**?

(see image)

- A let productCost = parseFloat(productCostInput);
- B let productCost = Number(productCostInput);
- c let productCost = +productCostInput;
- ✓ D All of the above
 - **j** parseFloat(productCostInput) this global function parses a string and converts the number to a floating point decimal value (if a decimal is found)

Number(productCostInput) - The Number() function takes a string as an input and converts the string into either a floating point decimal number or an integer, depending on the value within the string

+productCostInput - the + unary operator is a short hand operator for converting a string into a number. It must be added to the beginning of a variable of a string datatype

9. You are a teacher and have bought 24 cookies for your class.

You have 9 students and have determined that you have enough cookies to give 2 cookies to each student.

How can you calculate how many cookies will be left over after all students have taken their 3 cookies?

your variables are:

```
let cookies = 24;
let students = 9;
let cookiesPerStudent = 2;
```

- A let remaining = cookies / students;
- **B** let remaining = cookies / cookiesPerStudent;
- C let remaining = cookies % students;
 - D let remaining = cookies % cookiesPerStudent;
 - i The modulus operator (%) performs integer division and returns the whole number remainder. With the % operator, the only number we care about is the remainder.

```
24 % 9 = 6
Logic:
24 / 9 = 2 with a remainder of 6
```

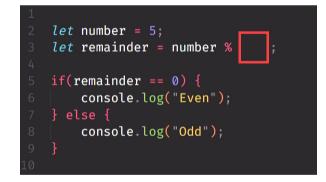
10. The modulus operator is often used to determine if a number is odd or even. Refer the the code snippet in the image. What number should you add to line 3 to complete this code snippet?

```
✓ A 2
```

B 1

c 5

D 0



i All even numbers are divisible by 2 with a remainder of 0. Therefore if you divide ANY number by 2, you can look at it's remainder and determine if it is even or odd.

If the remainder is 1 - it is an odd number
If the remainder is 0 - it is an even number