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## TASK 1

### Basic JavaScript Tasks

1. If else:

- **Write a program to check the given is prime or not.**

**Answer:**

```
const num = parseInt(prompt("Enter a positive number: "));
let isPrime = true;
if (num === 1) {
    console.log("1 is neither prime nor composite number.");
}
else if (num > 1) {
    for (let i = 2; i < num; i++) {
        if (num % i === 0) {
            isPrime = false;
            break;
        }
    }
}
```

```
if (isPrime) {  
    console.log(`${num} is a prime number`);  
} else {  
    console.log(`${num} is not a prime number`);  
}  
}  
else {  
    console.log("The number is not a prime number.");  
}
```

## Output:

### Test case-1

Enter a positive number:1

1 is neither prime nor composite number.

### Test case-2

Enter a positive number:11

11 is a prime number

### Test case-3

Enter a positive number:28

28 is not a prime number

## 2. Switch case:

- **Write a program to check whether the given alphabet is vowel or not.**

**Answer:**

```
var ch;  
ch = prompt("Enter an alphabet: ")  
switch(ch)  
{  
  case 'a':  
  case 'e':  
  case 'i':  
  case 'o':  
  case 'u':  
  case 'A':  
  case 'E':  
  case 'I':  
  case 'O':  
  case 'U':  
    console.log(ch+" is a vowel ");  
    break;  
  default:console.log(ch+" is not a vowel " ) ;  
    break; }
```

## Output:

### Test case-1

Enter an alphabet: a  
a is a vowel

### Test case-2

Enter an alphabet: E  
E is a vowel

### Test case-3

Enter an alphabet: b  
b is not a vowel