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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