



SELECTIONS

if

Scenario 1

```
let flag = true;  
  
console.log("Before if");  
  
if(flag)  
{  
    console.log("Inside if");  
}  
  
console.log("After if");
```

Output

```
Before if  
Inside if  
After if
```





Scenario 2



```
let flag = false;

console.log("Before if");

if(flag)
{
    console.log("Inside if");
}

console.log("After if");
```

Output

```
Before if
After if
```

if-else



*Scenario 1*

```
let flag = false;

console.log("Before if-else");

if(flag)
{
    console.log("Inside if");
}
else
{
    console.log("Inside else");
}

console.log("After if-else");
```

Output

```
Before if-else
Inside else
After if-else
```

Scenario 2

```
let flag = true;

console.log("Before if-else");

if(flag)
{
    console.log("Inside if");
}
else
{
    console.log("Inside else");
}

console.log("After if-else");
```



Output



Before if-else
Inside if
After if-else

switch-case

Scenario 1

```
let i = 10;  
  
switch(i)  
{  
  case 10 : console.log("In case 10");break;  
  
  case 20 : console.log("In case 20");break;  
  
  default : console.log("default");break;  
}
```

Output

In case 10

Scenario 2

```
let i = 20;  
  
switch(i)  
{  
  case 10 : console.log("In case 10");break;  
  
  case 20 : console.log("In case 20");break;  
  
  default : console.log("default");break;  
}
```

Output





case 20



Scenario 3

```
let i = 30;

switch(i)
{
  case 10 : console.log("In case 10");break;

  case 20 : console.log("In case 20");break;

  default : console.log("default");break;
}
```

Output

default

GRADER

Variant1





```
console.log("Welcome to Grader");

let marks = 60;

if(marks >= 80)
{
    console.log("You passed with Distinction");
}
if(marks >= 60 && marks < 80)
{
    console.log("You passed with First Class");
}
if(marks >= 35 && marks < 60)
{
    console.log("You Passed");
}
if(marks < 35)
{
    console.log("You Failed");
}
```

Variant2





```
console.log("Welcome to Grader");

let marks = 80;

if(marks >= 80)
{
    console.log("You passed with Distinction");
}
else
{
    if(marks >= 60 && marks < 80)
    {
        console.log("You passed with First Class");
    }
    else
    {
        if(marks >= 35 && marks < 60)
        {
            console.log("You Passed");
        }
        else
        {
            console.log("You Failed");
        }
    }
}
```

Variant 3





```
console.log("Welcome to Grader");

let marks = 38;

if(marks >= 80)
{
    console.log("You passed with Distinction");
}
else if(marks >= 60 && marks < 80)
{
    console.log("You passed with First Class");
}
else if(marks >= 35 && marks < 60)
{
    console.log("You Passed");
}
else
{
    console.log("You Failed");
}
```

Variant 4





```
console.log("Welcome to Grader");

let marks = 138;

if( marks <= 100 && marks >= 0)
{
    if(marks >= 80)
    {
        console.log("You passed with Distinction");
    }
    else if(marks >= 60 && marks < 80)
    {
        console.log("You passed with First Class");
    }
    else if(marks >= 35 && marks < 60)
    {
        console.log("You Passed");
    }
    else
    {
        console.log("You Failed");
    }
}
else
{
    console.log("Wrong Value");
}
```

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