Aim: To write a shell script to demonstrate if-else conditional statement.

```
sushmit@SushmitEnvy:~$ chmod +x prac10.sh
sushmit@SushmitEnvy:~$ ./prac10.sh
Enter first number:
10
Enter second number:
20
Addition: 30
Subtraction: -10
Multiplication: 200
Division: 0
sushmit@SushmitEnvy:~$
```

```
sushmit@SushmitEnvy:~$ cat prac10.sh
#!/bin/bash

# Read two numbers from the user
echo "Enter first number:"
read a
echo "Enter second number:"
read b

# Addition
sum=$((a + b))

# Subtraction
sub=$((a - b))

# Multiplication
mul=$((a * b))

# Division (checking if b is not zero)
div=$((a / b))


# Output the results
echo "Addition: $sum"
echo "Subtraction: $sub"
echo "Multiplication: $mul"
echo "Division: $div"

sushmit@SushmitEnvy:~$
```

```
sushmit@SushmitEnvy:~$ cat prac10.sh
#!/bin/bash


echo "Enter first number:"
read a
echo "Enter second number:"
read b
if [ $a == $b ]
then
echo "a == b"
else
echo "a != b"
fi
sushmit@SushmitEnvy:~$
```

```
sushmit@SushmitEnvy:~$ chmod +x prac10.sh
sushmit@SushmitEnvy:~$ ./prac10.sh
Enter first number:
10
Enter second number:
10
a == b
sushmit@SushmitEnvy:~$
```

```
sushmit@SushmitEnvy:~$ chmod +x prac10.sh
sushmit@SushmitEnvy:~$ ./prac10.sh
Enter first number:
100
a is even
sushmit@SushmitEnvy:~$
```