

IF STATEMENT

1. WRITE A PROGRAM TO CONCEPT GENDER (“MALE” OR “FEMALE”) AND AGE AND PRINT THE PERCENTAGE OF INTEREST BASED ON THE GIVEN CONDITIONS.

```
1 package javafundamentals;
2 import java.util.Scanner;
3 public class Percentageofinterest {
4     public static void main(String[] args) {
5         Scanner sc=new Scanner(System.in);
6         char gender=sc.next().charAt(0);
7         int age=sc.nextInt();
8         if(gender=='f' && age>=1 && age<=58) {
9             System.out.println("Interest : 8.2%");
10        }
11        else if(gender=='f' && age>=59 && age<=100) {
12            System.out.println("Interest : 9.2%");
13        }
14        else if(gender=='m' && age>=1 && age<=58) {
15            System.out.println("Interest : 8.4%");
16        }
17        else if(gender=='m' && age>=59 && age<=100){
18            System.out.println("Interest : 10.5%");
19        }
20        else {
21            System.out.println("Invalid input");
22        }
23    }
24 }
```

```
<terminated> Percentageofinterest [Java Appli
female
04
Interest : 8.2%
```

2. INITIALIZE A CHARACTER VARIABLE WITH AN ALPHABET IN A PROGRAM

```
1 package javafundamentals;
2 import java.util.Scanner;
3 public class Uppertolower {
4     public static void main(String[] args) {
5         Scanner sc=new Scanner(System.in);
6         char ch=sc.next().charAt(0);
7         if(ch>='A' && ch<='Z') {
8             System.out.println((char)(ch+32));
9         }
10        else if(ch>='a' && ch<='z') {
11            System.out.println((char)(ch-32));
12        }
13        else
14            System.out.println("Invalid Input");
15    }
16 }
```

```
<terminated> U
D
d
```