Q1)Consider the following code snippet.
⇒ Considering the above snippet if number1 is 3 then it will print **second third.** If the first if statement fails because then it will go else and print second and third.

Q2)Using only spaces and line breaks, reformat the above Q1) code snippet to make the control flow easier to understand.

```
⇒ if (number1>= 0){
        if (number1== 0){
            System.out.println("first");
}
}
    else{
            System.out.println("second");
        System.out.println("third ");
}
```

Q3)Convert the following if-else-if code into switch case: for temperature
⇒

```
package com.prathamesh;
import java.util.Scanner;

class temp{
    public void tempSensetivity(int var){
        switch (var){
            case 1:
                System.out.println("low");
                break;
            case 2:
                System.out.println("Medium");
                break;
            case 3:
                System.out.println("high");
                break;
            default:
                System.out.println("Abnormal");

    }

    }
}
public class TempCheck {
    public static void main(String[] args) {
        temp c1=new temp();
        Scanner sc=new Scanner(System.in);
```

```java
        System.out.print("Enter the temperature:");
        int a=sc.nextInt();
        c1.tempSensetivity(a);
    }
}
```

Q4)Rewrite the following program code using the suitable 'if' command
⇒

```java
        package com.prathamesh;

import java.util.Scanner;

class IntCheck{
    public void checkOut(int x){
        if(x==0){
            x=x+2;
            System.out.println("X="+ x);
        }
        else if(x==1){
            x=x+4;
            System.out.println("X="+ x);
        }
        else if(x==2){
            x=x+6;
            System.out.println("X="+ x);
        }

    }
}
public class IfCheck {
    public static void main(String[] args) {
        IntCheck i1= new IntCheck();
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter the Integer: ");
        int b=sc.nextInt();
        i1.checkOut(b);
    }
}
```

Q5)Take two int values from user and print greatest among them.
⇒

```java
package com.prathamesh;

import java.util.Scanner;

class FindGreat{
    public int great_Two(int a,int b){
        if(a>b){
            return a;
        }
        else{
            return b;
        }
    }
}
public class GreaterTwo {
    public static void main(String[] args) {
        FindGreat f1=new FindGreat();
        Scanner sc= new Scanner(System.in);
        System.out.print("Enter First Number:");
        int b=sc.nextInt();
        System.out.print("Enter Second Number:");
        int c= sc.nextInt();
        int out=f1.great_Two(b,c);
        System.out.println("Greatest Number is: "+out);
    }
}
```

Q6)Take input of age of 3 people by user and determine oldest and youngest among them.
⇒

```java
package com.prathamesh;
import java.util.Scanner;

class OldAge{
    public int oldest(int a,int b,int c){
        int large=0;
        if((a>=b)&&(a>=c)){

            large=a;
```

```java
        }
        else if((b>=a)&&(b>=c)){

            large=b;
          }

        else{
            large=c;
        }
        return large;

    }
    public int youngest(int a,int b,int c){
        int small=0;
        if(a<=b){
            if(a<=c)
            {
                small=a;
            }
        }
        else if((b<=a)){
            if(b<=c){
                small=b;
            }
        }
        else{
            small=c;
        }
        return small;
    }
}
public class Age {
    public static void main(String[] args) {
        OldAge check_1= new OldAge();
        Scanner sc= new Scanner(System.in);
        System.out.print("Enter the age of First Person:");
        int x=sc.nextInt();
        System.out.print("Enter the age of Second Person:");
        int y= sc.nextInt();
        System.out.print("Enter the age of Third Person:");
        int z= sc.nextInt();
        int old=check_1.oldest(x,y,z);
        int young=check_1.youngest(x,y,z);
```

```java
        if(old==x){
            System.out.println("Oldest Person is First Person with age "+x);
        }
        else if(old==y){
            System.out.println("Oldest Person is Second Person with age "+y);
        }
        else{
            System.out.println("Oldest Person is Third Person with age "+z);
        }
        if(young==x){
            System.out.println("Youngest Person is First Person with age "+x);
        }
        else if(young==y){
            System.out.println("Youngest Person is Second Person with age "+y);
        }
        else{
            System.out.println("Youngest Person is Third Person with age "+z);
        }
    }
}
```

Q7)Add all 8 primitive data types 2variables and check the result.

Like int a,int b

⇒

```java
public class Primitive{
    public static void main(String[] args) {
        int a = 1;
        int b = 2;
        byte h = 6;
        char ch = 'b';
        float c = 80.7f;
        double e = 29.0d;
        boolean bl = true;
        long g = 120;
        String s = "Prathamesh";

        System.out.println(a + b);
        System.out.println(ch + b);
        System.out.println(a + c);
        System.out.println(a + e);
        System.out.println(g + a);
        System.out.println(s + ch);
        System.out.println(a + h);

    }
```

```
}
```