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Assignment : 1
CRC-Training

Answer 1 :

```
import java.util.*;

public class oddeven{
     public static void main(String[] args) {
     int a;
     Scanner sc = new Scanner(System.in);
     System.out.println("Enter the number ");
     a = sc.nextInt();
     if(a%2 == 0){
        System.out.println("The Number is even");
     }
     else{
        System.out.println("The number is odd");
     }
```

```
     sc.close();
    }
}
```

Answer 2 :

```
import java.util.*;

public class largest {
    public static void main(String [] args){
        Scanner sc = new Scanner(System.in) ;
        int num1,num2,num3;
        System.out.println("Enter the first number ");
        num1 = sc.nextInt();
        System.out.println("Enter the second number ");
        num2 = sc.nextInt();
        System.out.println("Enter the third number ");
        num3 = sc.nextInt();
```

```
        if(num1 > num2 && num1 > num3 ){
            System.out.println("The largest number is"+num1);
        }
        else if(num2 > num1 && num2 > num3){
            System.out.println("The largest number is "+ num2);
        }
        else{
            System.out.println("The largest number is "+num3);
        }
```

```
        sc.close();
    }
}
```

Answer 3:

```
import java.util.*;
public class triangle {
    public static void main(String [] args){
        Scanner sc = new Scanner(System.in) ;
        int side1,side2,side3;
        System.out.println("Enter the first side ");
        side1 = sc.nextInt();
        System.out.println("Enter the second side ");
        side2 = sc.nextInt();
        System.out.println("Enter the third side ");
        side3 = sc.nextInt();

        if(side1 == side2 && side1 == side3){
            System.out.println("The triangle is equilateral as all sides
are equal");
        }
        else if(side1 == side2 || side2 == side3 || side1 == side3){
            System.out.println("The triangle is isosceles");
        }
        else{
            System.out.println("The triangle is scalene ");
        }
        sc.close();
}
}
```

Answer 4:

```
import java.util.*;
```

```java
public class checknumber{

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        float num;
        System.out.println("Enter the number ");
        num = sc.nextFloat();
        if(num == 0){
            System.out.println("The number is equal to zero");
        }
        else if(num>0){
            System.out.println("The number is positive ");
        }
        else {
            System.out.println("The number is negative ");
        }
        sc.close();
    }
}
```

Answer 5:

```java
import java.lang.Math;
import java.util.*;

public class equal{
     public static void main(String[] args) {
     float a,b;
     Scanner sc = new Scanner(System.in);
     System.out.println("Enter the first number ");
     a = sc.nextFloat();
     System.out.println("Enter the second number ");
     b = sc.nextFloat();
     a *= 1000;
     b *= 1000;
     a = (int)a;
     b = (int)b;
if(a == b){
   System.out.println("Number are same");
}
else {
    System.out.println("Number are not same");
}
```

```java
sc.close();
```

```java
}
```

```
}
```

Answer 6:

```
import java.lang.Math;
import java.util.*;

public class checkEquality{
     public static void main(String[] args) {
     int a,b,c;
     Scanner sc = new Scanner(System.in);
     System.out.println("Enter the first number ");
     a = sc.nextInt();
     System.out.println("Enter the second number ");
     b = sc.nextInt();
     System.out.println("Enter the 3rd number ");
     c = sc.nextInt();
```

```
     if(a == b && b==c){
        System.out.println("All numbers are equal");
     }
     else if(a!=b && b !=c && a!=c ) {
      System.out.println("All are different");

     }
      System.out.println("Neither all are equal or different");
     }

     }
}
```

Answer 7:

```
import java.util.*;

public class incdec {

        public static void main(String[] args) {
        int num1,num2,num3;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the first number ");
        num1 = sc.nextInt();
        System.out.println("Enter the second number ");
        num2 = sc.nextInt();
        System.out.println("Enter the 3rd number ");
        num3 = sc.nextInt();
```

```
        if(num1>num2 && num2>num3 ){
            System.out.println("Numbers are in decreasing order");
```

```
        }
        else if(num1<num2 && num2<num3){
            System.out.println("Number are in increasing order");
        }
        else{
            System.out.println("Neither increasing nor decreasing");
        }
```

```
        sc.close();
}
```

```
}
```

Answer 8 :

```
import java.util.*;
public class printday {
    public static void main(String[] args) {
        int day;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the day number ");
        day = sc.nextInt();

    switch (day) {
        case 1:
        System.out.println("Sunday");
            break;

        case 2:
        System.out.println("Monday");
        break;
        case 3:
        System.out.println("Tuesday");
        break;
        case 4:
        System.out.println("Wednesday");
        break;
        case 5:
        System.out.println("Thursday");
        break;
        case 6:
        System.out.println("Friday");
        break;
        case 7:
        System.out.println("Saturday");
        break;
```

```
        default:
```

```
        System.out.println("Wrong Input");
            break;
    }
  sc.close();
```

```
    }
}
```

Answer 9 :

```
import java.util.*;
public class calculator {
    public static void main(String[] args) {
        int choice,num1,num2;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter your first number");
        num1 = sc.nextInt();
        System.out.println("Enter your second number");
        num2 = sc.nextInt();
        System.out.println("Enter your choice");
        System.out.println("1. ADD 2. Subtract 3. Multiplication
4.Division");
        choice = sc.nextInt();
    switch (choice) {
        case 1:
             System.out.println("The sum of 2 numbers is "+(num1+num2));
            break;

        case 2:
        System.out.println("The subtraction of 2 numbers is "+(num1-num2));
        break;
        case 3:
        System.out.println("The multiplication of 2 numbers is
"+(num1*num2));
        break;
        case 4:
        System.out.println("The division of 2 numbers is "+(num1/num2));
        break;
        default:
        System.out.println("Wrong Input");
            break;
    }
    sc.close();
    }
}
```