

ASSIGNMENT-1

- (1) Write a Java Code for sum of even numbers in natural numbers.

Program:-

```
import java.util.*;  
class even  
{  
    public static void main(String args[])  
    {  
        int n, sum=0; i=2;  
        Scanner k = new Scanner(System.in);  
        System.out.print("Enter n value");  
        n = k.nextInt();  
        while (i <= n)  
        {  
            sum = sum + i;  
            i = i + 2;  
        }  
        System.out.print("Sum of even numbers: " + sum);  
    }  
}
```

2) Write a Java Code for Reverse a number?

Program:-

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

```
Class reverse
```

```
{
```

```
Public static void main (String args[])
```

```
{
```

```
int n, rem, rev = 0;
```

```
Scanner sh = new Scanner (System.in);
```

```
System.out.print("Enter number to reverse");
```

```
n = sh.nextInt();
```

```
while (n != 0)
```

```
{
```

```
rem = n % 10;
```

```
rev = rev * 10 + rem;
```

```
n = n / 10;
```

```
}
```

```
System.out.print("Reverse number = " + rev);
```

```
}
```

```
}
```

(3) Write a Java Code for number is Palindrome or not?

Program:-

```
import java.util.*;

Class Palindrome
{
    Public Static void main (String args[])
    {
        int n, rem, Sum=0, temp;
        Scanner Kal = new Scanner (System.in);
        System.out.Print ("Enter number");
        n = Kal.NextInt();
        temp = n;
        while (n > 0)
        {
            rem = n % 10;
            Sum = (Sum * 10) + rem;
            n = n / 10;
        }
        if (temp == Sum) {
            System.out.Print ("palindrome number");
        }
        else {
            System.out.Print ("Not Palindrome");
        }
    }
}
```

(4) Write a Java Code for sum of digits in number.

Program:-

```
import java.util.*;

class sum
{
    public static void main(String args[])
    {
        int n, digit, sum = 0;
        Scanner Ja = new Scanner(System.in);
        System.out.print("Enter number:");
        n = Ja.nextInt();
        while (n > 0)
        {
            digit = n % 10;
            sum = sum + digit;
            n = n / 10;
        }
        System.out.print("sum of digits", +sum);
    }
}
```