Assigned Programs:

1. Program to Check if a No is Even or Odd ()

**public** **class** Num\_Even\_or\_Odd {

**public** **static** **void** main(String[] args) {

// Declaring and initializing integer variable

**int** num = 10;

// Checking if number is even or odd number

// via remainder

**if** (num % 2 == 0) {

// If remainder is zero then this number is even

System.***out***.println("Entered Number is Even");

}

**else** {

// If remainder is not zero then this number is

// odd

System.***out***.println("Entered Number is Odd");

}

}

}

1. Program to Reverse a Number

**public** **class** Reverse\_Num {

// Function to reverse the number

**static** **int** reverse(**int** n){

// Declaring and initializing integer variable

**int** rev = 0; // reversed number

**int** rem; // remainder

//1)We will get remainder of number eg:4526 ie

**while**(n>0){

rem = n%10;

rev = (rev\*10) + rem;

n = n/10;

}

**return** rev;

}

// Driver Function

**public** **static** **void** main (String[] args) {

**int** n = 4526;

System.***out***.print("Reversed Number is "+ *reverse*(n));

}

}

3)Program to Get Sum Of Digit of a number.

**public** **class** Sum\_of\_Digit2 {

/\* Function to get sum of digits \*/

**static** **int** getSum(**int** n)

{ // Declaring and initializing integer variable

**int** sum = 0;

//logic

/\*

\* Here Sum stores remainder of number, so intitially with remainder of number

\* 687 ie 7 stores in sum ,becomes 0+7 ie 7 now with n/10 we get new number 68

\* from 687/10.We will repeat the same till we get sum is equals to 7+8+6=21

\*/

**while** (n != 0)

{

sum = sum + n % 10;

n = n/10;

}

//Return Type

**return** sum;

}

// Driver program

**public** **static** **void** main(String[] args)

{

**int** n = 687;

System.***out***.println("The sum of a Digit in a number is : " +*getSum*(n));

}

}