Worksheet -A

Ques1. Write a java program Add two Numbers.

Sol. Class Main {

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

    Int first = 10;
    Int second = 20;

    // add two numbers
    Int sum = first + second;
    System.out.println(first + " + " + second + " = " + sum);
  }
}
```

Ques2. Write a java program Check Whether a Number is Even or Odd.

Sol. import java.util.*;

```
Class Main{
  Public static void main(String args[]){

    Scanner scr = new Scanner(System.in);
    Int num = scr.nextInt();

    If(num % 2 == 0){
      System.out.println("Entered number is even");
    }else{
      System.out.println("Entered number is odd");
    }

  }
}
```

Ques3. Write a java program Check if a given number is

palindrome or not.

Sol .class PalindromeExample{
 Public static void main(String args[]){
  Int r,sum=0,temp;
  Int n=454;//It is the number variable to be checked for palindrome

  Temp=n;
  While(n>0){
   R=n%10; //getting remainder
   Sum=(sum*10)+r;
   N=n/10;
  }
  If(temp==sum)
   System.out.println("palindrome number ");
  Else
   System.out.println("not palindrome");
 }
}

Ques4. Write a java program to find the sum of n natural numbers.

Sol .public class SumOfNaturalNumber1
{
Public static void main(String[] args)
{
Int i, num = 10, sum = 0;
//executes until the condition returns true
For(i = 1; i <= num; ++i)
{
//adding the value of i into sum variable
Sum = sum + i;
}
//prints the sum
System.out.println("Sum of First 10 Natural Numbers is = " + sum);
}
}

Ques5. Write a java program to Check Prime Number or not.

```java
Sol .public class PrimeExample{
 Public static void main(String args[]){
  Int i,m=0,flag=0;
  Int n=3;//it is the number to be checked
  M=n/2;
  If(n==0||n==1){
   System.out.println(n+" is not prime number");
  }else{
   For(i=2;i<=m;i++){
    If(n%i==0){
     System.out.println(n+" is not prime number");
     Flag=1;
     Break;
    }
   }
   If(flag==0)  { System.out.println(n+" is prime number"); }
  }//end of else
 }
}
```