WORKSHEET

FULL STACK DEVELOPMENT – WORKSHEET -A

Ques 1. Write a java program Add two Numbers,

```java
class Main {
  public static void main(String[] args) {
    int first = 10;
    int second = 20;
    int sum = first + second;
    System.out.println(first + " + " + second + " = "  + sum);
  }
}
```

2nd Way to WAP to java program to Add to Numbers

```java
public class Main {
  public static void main(String[] args) {
    int x = 5;
    int y = 6;
    int sum = x + y;
    System.out.println(sum); // Print the sum of x + y
  }
}
```

Ques 2. Write a java program Check Whether a Number is Even or Odd.

Public   class   Main

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

                Int number = 39

If  (number % 2 == 0)

                System.out.println(number + " is  Even");

else

          system.out.println( number + " is Odd");

    }

}
```

```
Public   class   Main

{
        Public static void main(string[] args)

                Int number = 39;

if  (number %  2 ==  0)

                 system.out.println(number + " is even);

else

          system.out.println(number + " is odd);

    }

}
```

Ques 3. Write a java program Check if a given number is palindrome or not.

```
class Main {
  public static void main(String[] args) {
    String str = "Radar", reverseStr = "";
    int strLength = str.length();
    for (int i = (strLength - 1); i >=0; --i) {
      reverseStr = reverseStr + str.charAt(i);
```

```java
    }
    if (str.toLowerCase().equals(reverseStr.toLowerCase())) {
      System.out.println(str + " is a Palindrome String.");
    }
    else {
      System.out.println(str + " is not a Palindrome String.");
    }
  }
}
```

Ques 4. Write a java program to find the sum of n natural numbers.

```java
import java.util.Scanner;
public class Main {



  public static void main(String[] args)


{
  int i, n, sum=0;
  {
  Scanner in = new Scanner(System.in);
      System.out.print("Input number: ");
      n = in.nextInt();
}
  System.out.println("The first n natural numbers are : "+n);


  for(i=1;i<=n;i++)
  {
    System.out.println(i);
    sum+=i;
```

```
    }
System.out.println("The Sum of Natural Number upto "+n+ " terms : " +sum);


}
}
```

```
Public class Main
 {
    Public static void main (string[]args)
    {
      Int n= 20;
         System.outprintln (n*(n+1)/2);
      }
}
```

Ques 5. Write a java program to Check Prime Number or not.

```
public class Main {

 public static void main(String[] args) {

   int num = 29;
   boolean flag = false;
   for (int i = 2; i <= num / 2; ++i) {
    if (num % i == 0) {
     flag = true;
     break;
    }
   }
```

```java
    if (!flag)
      System.out.println(num + " is a prime number.");
    else
      System.out.println(num + " is not a prime number.");
  }
}
```

```java
public class Main {
  public static void main(String[] args) {
    int num = 33, i = 2;
    boolean flag = false;
    while (i <= num / 2) {
      if (num % i == 0) {
        flag = true;
        break;
      }
      ++i;
    }
    if (!flag)
      System.out.println(num + " is a prime number.");
    else
      System.out.println(num + " is not a prime number.");
  }
}
```