FULL STACK DEVELOPMENT - WORKSHEET -A

1. Write a java program Add two Numbers.

```
package internship;
import java.util.Scanner;
public class AddTwoNumbers2 {
public static void main(String[] args) {
        int num1, num2, sum;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter First Number:");
        num1 = sc.nextInt();
        System.out.println("Enter Second Number:");
        num2 = sc.nextInt();
        sc.close();
        sum = num1 + num2;
        System.out.println("sum of these numbers:"+sum);
}
}
```

Output:

```
Enter first number :
12
Enter second number :
4
Sum of these numbers : 16
```

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

```
package intenship;
import java.util.Scanner;
public class OddEven {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
int num;
System.out.println("Enter any Number :");
Scanner sc = new Scanner(System.in);
num=sc.nextInt();
if (num%2==0) {
	System.out.println("Entered number is Even");
}
else
	System.out.println("Entered number is Odd");
	}

}
```

Output:

```
Enter any Number :
2
Entered number is Even

Output:
Enter any Number :
9
Entered number is Odd
```

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

```
package intenship;
import java.io.*;
public class Poly
{
public static void main(String[] args) throws IOException
{
                // TODO Auto-generated method stub
int n,m,r,s=0;
InputStreamReader read=new InputStreamReader(System.in);;
BufferedReader in=new BufferedReader(read);
System.out.println("Enter Number");
n=Integer.parseInt(in.readLine());
m=n;
while(n!=0)
{
        r=n%10;
        s=s*10+r;
        n=n/10;
}
if(s==m)
        System.out.println("The Given number is a palindrome");
else
        System.out.println("The Given Number is not a Palindrome");
}
        }
```

Output:

```
Enter Number
232
The Given number is a palindrome
```

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

```
package intenship;

import java.util.Scanner;

public class SumNaturalNumbers {


	public static void main(String[] args) {

		// TODO Auto-generated method stub

int n, num = 0; ;

System.out.println("Enter no of terms");

Scanner r=new Scanner(System.in);

n=r.nextInt();

for(int i=1; i<=n; i++) {

	num = num+i;

}

System.out.println("Sum of n Natural Numbers is:" +num);

}

	}
```

Output

Enter no of terms
5
Sum of n Natural Numbers is : 15

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

```
package intenship;
import java.util.Scanner;
public class PrimeNumber {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
int n,count=0;
System.out.println("Enter any Number");
 Scanner r=new Scanner(System.in);
n=r.nextInt();
for(int i=1; i<=n; i++)
{
	if(n%i==0)
	{
		count++;
	}
}
if(count==2)
	System.out.println("The given Number is a Prime Number");
else
```

```
System.out.println("The given number is not a Prime Number");

}


}
```

Output

```
Enter any number
95
The given number is not a Prime Number
```

Output

```
Enter any number
11
The given number is  a Prime Number
```