Ques 1. Write a java program Add two Numbers

Answer:

```
import java.util.Scanner;


public class EvenOdd {


   public static void main(String[] args) {


      Scanner reader = new Scanner(System.in); // Here we declare reader to take input


      System.out.print("Enter first number: "); //here we ask the user for inputting 1st number
      int num1 = reader.nextInt();//here we take 1st input
       System.out.print("Enter second number: "); //here we ask the user for inputting 2nd number
      int num2 = reader.nextInt();//here we take 2nd input
      int sum = num1 + num2; //here we add the 2 inputted numbers
      System.out.println("The sum of two numbers is :" +sum);


   }
}
```

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

Answer:

```
import java.util.Scanner;

public class EvenOdd {

   public static void main(String[] args) {

      Scanner reader = new Scanner(System.in); // Here we declare reader to take input

      System.out.print("Enter a number: "); //here we ask the user for input
      int num = reader.nextInt();

      if(num % 2 == 0) //here we check the remainder of the number when divided by 2
         System.out.println(num + " is even"); //if remainder is 0, then it is even
      else
         System.out.println(num + " is odd"); // if the remainder is not 0, then it has got to be odd
   }
}
```

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

Answer:

```
import java.util.*;

public class Main

{

  public static void main(String[] args)

  {


     Scanner sc = new Scanner(System.in); //create instance of scanner class

     System.out.println("Enter the number: ");  //here we ask for the number

     String reverse = ""; //here we keep a string empty

     String num = sc.nextLine(); //here we take the number from the user

     int length = num.length();   // here we take the length of the number.

    for ( int i = length - 1; i >= 0; i-- )

      reverse = reverse + num.charAt(i);  //we use the loop to reverse the number and put it in the
already declared string

    if (num.equals(reverse))  // here we check if the reversed number equals the inputted number

      System.out.println("The entered string " +num +" is a palindrome.");

    else

      System.out.println("The entered string " +num +"  isn't a palindrome.");

 }

}
```

```
import java.util.Scanner;

public class SumOfNaturalNumber3

{
```

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

Ans:

```
public static void main(String[] args)
{
int num, i, sum = 0;
//object of Scanner class
Scanner sc = new Scanner(System.in);
System.out.print("Sum from: ");
//takes an integer as input
i = sc.nextInt();
System.out.print("Sum up to: ");
//takes an integer as input
num = sc.nextInt();
while(i <= num)
{
//adding the value of i into sum variable
sum = sum + i;
//increments the value of i by 1
i++;
}
//prints the sum
System.out.println("Sum of Natural Numbers = " + sum);
}
}
```

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

Ans:

```
public class Main {

  public static void main(String[] args) {

    int num = 33, i = 2;
    boolean flag = false;
    while (i <= num / 2) {
      // condition for nonprime number
      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.");
  }
}
```