Answer-1

```
class Main {

  public static void main(String[] args) {

    int first = 25;
    int second = 25;

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

Output will be like

```
Enter two numbers
25 25
The sum is: 50
```

In this program, two integers 25 and 25 are stored in integer variables first and second respectively.

Then, first and second are added using the + operator, and its result is stored in another variable sum.

Finally, sum is printed on the screen using println() function.

Answer-2

```
import java.util.Scanner;

public class EvenOdd {

   public static void main(String[] args) {

      Scanner reader = new Scanner(System.in);

      System.out.print("Enter a number: ");
      int num = reader.nextInt();

      if(num % 2 == 0)
         System.out.println(num + " is even");
      else
         System.out.println(num + " is odd");
   }
}
```

```
Enter a number: 12
12 is even

Enter a number: 7
7 is odd
```

In the above program, a Scanner object, reader is created to read a number from the user's keyboard. The entered number is then stored in a variable num.

Now, to check whether num is even or odd, we calculate its remainder using % operator and check if it is divisible by 2 or not.

For this, we use if...else statement in Java. If num is divisible by 2, we print num is even. Else, we print num is odd.

Answer-3

```
import java.util.Scanner;

class PalindromeExample{
 public static void main(String args[]){
  Int n, r,sum=0,tempNum;
      Scanner s = new Scanner(System.in);
      System.out.print("Enter a number : ");
      n = s.nextInt();

  tempNum=n;
  while(n>0){
   r=n%10;  //getting remainder
   sum=(sum*10)+r;
   n=n/10;
  }
  if(tempNum==sum)
   System.out.println("palindrome number ");
  else
   System.out.println("not palindrome");
}
}
```

Output

757 is a Palindrome String.

Answer-4

```
public class SumOfNaturalNumber
{
  public static void main(String[] args)
  {
    int i, num = 10, sum = 0;

    for(i = 1; i <= num; ++i)
    {
      sum = sum + i;
    }

    System.out.println("Sum of First 10 Natural Numbers is = " + sum);
  }
}
```

Output:

Sum of First 10 Natural Numbers is = 55

Answer-5

```
import java.util.Scanner;
```

```
public class PrimeExample {

  public static void main(String[] args) {
     Scanner s = new Scanner(System.in);
     System.out.print("Enter a number : ");
     int n = s.nextInt();
     if (isPrime(n)) {
        System.out.println(n + " is a prime number");
     } else {
        System.out.println(n + " is not a prime number");
     }
  }

  public static boolean isPrime(int n) {
     if (n <= 1) {
        return false;
     }
     for (int i = 2; i < Math.sqrt(n); i++) {
        if (n % i == 0) {
           return false;
        }
     }
     return true;
  }
}
```

Output

```
Enter a number : 1
1 is not a prime number

Enter a number : 3
3 is a prime number
```