1.**kod**

```
public class VowelConsonant {

   public static void main(String[] args) {

      char ch = 'i';

      if(ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' )
         System.out.println(ch + " is vowel");
      else
         System.out.println(ch + " is consonant");

   }
}
```

2.kod

```
public class SumNatural {

   public static void main(String[] args) {

      int num = 100, sum = 0;

      for(int i = 1; i <= num; ++i)
      {
```

```
        // sum = sum + i;
        sum += i;
      }

      System.out.println("Sum = " + sum);
   }
}
```

3.**kod**

```
public class Factorial {

   public static void main(String[] args) {

      int num = 10;
      long factorial = 1;
      for(int i = 1; i <= num; ++i)
      {
         // factorial = factorial * i;
         factorial *= i;
      }
      System.out.printf("Factorial of %d = %d", num, factorial);
   }
```

4.kod

```
public class Main {
```

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

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

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

5.kod

```
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");
    }
}
```