

Q1

```
import java.util.Scanner;

public class Q1 {

    public static void Divisible1(int n) {
        if (n % 3 == 0 && n % 7 == 0) {
            System.out.println("fun buzz");
        } else if (n % 3 == 0) {
            System.out.println("fun");
        } else if (n % 7 == 0) {
            System.out.println("buzz");
        }
    }

    public static void Divisible2(int n) {
        if (n % 3 == 0) {
            System.out.println("fun");
        }
        if (n % 7 == 0) {
            System.out.println("buzz");
        }
    }

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of
Number");
        int n = sc.nextInt();

        Divisible1(n);

        Divisible2(n);
    }
}
```

```
    }  
  
}
```

Q2

```
import java.util.Scanner;  
  
public class Q2 {  
  
    public static void fun1(int start, int end) {  
        for (int i = start; i <= end; i++) {  
            if (i % 2 != 0) {  
                System.out.println(i + " ");  
            }  
        }  
    }  
  
    public static boolean isOdd(int n) {  
        return n % 2 != 0;  
    }  
  
    public static void fun2(int start, int end) {  
        boolean ans = false;  
  
        for (int i = start; i <= end; i++) {  
            if (i % 2 != 0) {  
                ans = isOdd(i);  
  
                if (ans) {  
                    System.out.println(i);  
                }  
            }  
        }  
    }  
}
```

```
        } else {
            continue;
        }
    }

public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter the Start");
    int start = sc.nextInt();

    System.out.println("Enter the End");
    int end = sc.nextInt();

    fun1(start, end);
    fun2(start, end);
}
}
```

Q3

```
import java.util.Scanner;

public class Q3 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int num = sc.nextInt();

        int real = num;

        int rev = 0;

        while (num != 0) {
            int digit = num % 10;
            rev = rev * 10 + digit;
            num /= 10;
        }

        if (real == rev) {
            System.out.println("It is a
palindrome");
        } else {
            System.out.println("It is not a
palindrome");
        }
    }
}
```

Q4

```
import java.util.Scanner;

public class Q4 {

    public static void Fibonachii(int a, int b, int n) {
        n = n - 2;
        System.out.print(a + " " + b + " ");

        while (n > 0) {
            int c = a + b;
            System.out.print(c + " ");
            a = b;
            b = c;
            n--;
        }
    }

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        int a = 0;
        int b = 1;

        System.out.println("Enter the number: ");
        int n = sc.nextInt();

        Fibonachii(a, b, n);
    }
}
```