Section 5:

1)

```java
import java.util.Scanner;
class bleh{
    Run | Debug
    public static void main(String[] args){
        Scanner in=new Scanner(System.in);
        System.out.print("Enter the colour code: ");
        int pin=in.nextInt();
        if(pin>=380&&pin<=450){
            System.out.print("The colour is Red");
        }else if(pin>450&&pin<=495){
            System.out.print("The colour is Blue");
        }else if(pin>495&&pin<=570){
            System.out.print("The colour is Green");
        }else if(pin>570&&pin<=590){
            System.out.print("The colour is Yellow");
        }else if(pin>590&&pin<=620){
            System.out.print("The colour is Orange");
        }else if(pin>620&&pin<=750){
            System.out.print("The colour is Red");
        }else{
            System.out.print("The entered wavelength is not in the spectrum");
        }
        in.close();
    }
}
```

2)

```java
import java.util.Scanner;
class bleh{
    Run | Debug
    public static void main(String[] args){
        Scanner in=new Scanner(System.in);
        System.out.print("Enter the colour code: ");
        int pin=in.nextInt();
        if(pin==1){
            System.out.print("Next Light is green");
        }else if(pin==2){
            System.out.print("Next Light is Yellow");
        }else if(pin==3){
            System.out.print("Next Light is Red");
        }else{
            System.out.print("Invalid colour");
        }
        in.close();
    }
}
```

3)

prac2.java

```java
import java.util.Scanner;
class bleh{
    Run | Debug
    public static void main(String[] args){
        Scanner in=new Scanner(System.in);
        System.out.print(s:"Enter the colour code: ");
        int pin=in.nextInt();
        switch(pin){
            case 1:
            System.out.print(s:"Next light is green");
            break;
            case 2:
            System.out.print(s:"Next light is yellow");
            break;
            case 3:
            System.out.print(s:"Next light is red");
            break;
            default:
            System.out.print(s:"invalid");
            break;
        }
        in.close();
    }
}
```