Section 01: Main Questions

Q1.

```
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        System.out.print("Enter your first nb:");
        double nb1 = input.nextDouble();

        System.out.print("Enter your second nb:");
        double nb2 = input.nextDouble();

        double sum = nb1 + nb2;

        System.out.println("The sum is " + sum);
    }
}
```

02.

```
}
}
```

Q3.

```
import java.util.Scanner;
public class Q3 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.println("Enter your ICT marks:");
        double ict = input.nextDouble();
        System.out.println("Enter your CW marks:");
        double cw = input.nextDouble();
        if (ict >= 30 && cw >= 30){
            double finalMarks = (ict + cw)/2;
            System.out.println("Your final marks is "+ finalMarks);
                if (finalMarks>40){
                    System.out.println("You pass the exam");
                }else{
                    System.out.println("You fail the exam");
        } else{
            System.out.println("Fail the exam");
```

```
import java.util.Scanner;
public class Q4 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.println("Enter your marks: ");
        double marks = input.nextDouble();
        if (marks > 100) {
            System.out.println("Invalid value");
        } else if (marks >= 70 && marks <= 100) {</pre>
            System.out.println("1st Class Honours");
        } else if (marks >= 60 && marks <= 69) {</pre>
            System.out.println("2nd Class Honours Upper Division");
        } else if (marks >= 50 && marks <= 59) {</pre>
            System.out.println("2nd Class Honours Lower Division");
        } else if (marks >= 40 && marks <= 49) {</pre>
            System.out.println("3rd Class Honours");
        } else {
            System.out.println("Invalid value");
```

Q5.

```
import java.util.Scanner;

public class Q5 {
    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        System.out.println("Enter your first nb: ");
        double num1 = input.nextDouble();

        System.out.println("What do you want,(+,-,/,*) ");
        char operator = input.next().charAt(0);
```

```
System.out.println("Enter your second nb: ");
double num2 = input.nextDouble();
double result = 0;
switch (operator) {
    case '+':
        result = num1 + num2;
        break;
    case '-':
       result = num1 - num2;
        break;
    case '*':
       result = num1 * num2;
        break;
    case '/':
       if (num2 != 0) {
            result = num1 / num2;
        } else {
            System.out.println("Error: Division by zero");
            return;
        break;
    default:
        System.out.println("Invalid operator");
        return;
System.out.println("Result: " + result);
```

Section 02 (Challenging Questions)

Q6.

```
import java.util.Scanner;

public class Q6 {
    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        System.out.println("Enter number of class held?");
        int held = input.nextInt();
```

```
System.out.println("Enter number of class attend?");
int attend = input.nextInt();

double percentage = (attend/held)*100;

if (percentage<75){
        System.out.println("Your attendance is low & you can't sit the exam.");
        }else {
            System.out.println("You can sit the exam.");
        }
}</pre>
```

07.

```
public static void main(String[] args) {
       System.out.println("Welcome to banking!");
       Scanner input = new Scanner(System.in);
       System.out.println("Enter amount of balance: ");
           System.out.println("\nChoose a transaction:");
           System.out.println("1. Deposit");
           System.out.println("2. Withdrawal");
           input.nextLine();
                   System.out.print("Enter deposit amount: $");
                   System.out.print("Enter withdrawal amount: $");
                   double withdrawalAmount = input.nextDouble();
                   if (withdrawalAmount > balance) {
Current balance: $" + balance);
```