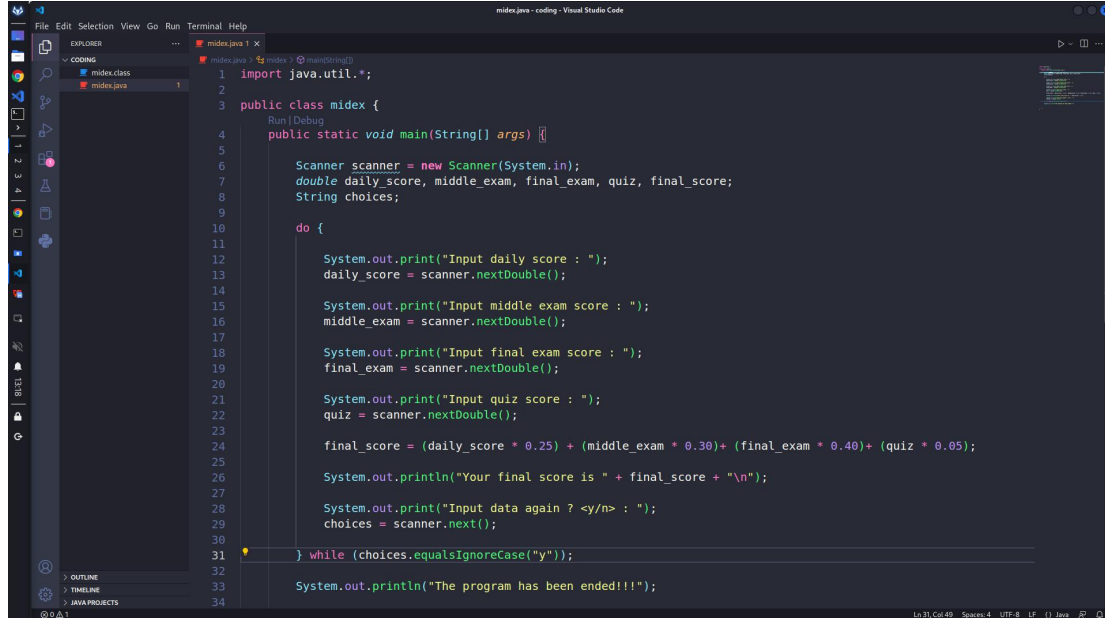


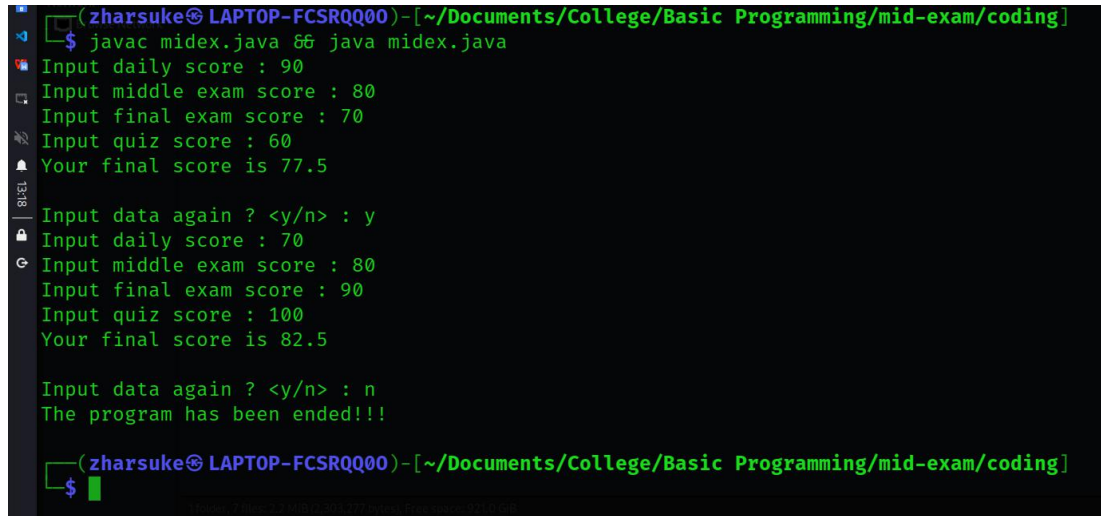
Answer :

1. Code :



```
1 import java.util.*;
2
3 public class midex {
4     public static void main(String[] args) {
5
6         Scanner scanner = new Scanner(System.in);
7         double daily_score, middle_exam, final_exam, quiz, final_score;
8         String choices;
9
10        do {
11
12            System.out.print("Input daily score : ");
13            daily_score = scanner.nextDouble();
14
15            System.out.print("Input middle exam score : ");
16            middle_exam = scanner.nextDouble();
17
18            System.out.print("Input final exam score : ");
19            final_exam = scanner.nextDouble();
20
21            System.out.print("Input quiz score : ");
22            quiz = scanner.nextDouble();
23
24            final_score = (daily_score * 0.25) + (middle_exam * 0.30) + (final_exam * 0.40) + (quiz * 0.05);
25
26            System.out.println("Your final score is " + final_score + "\n");
27
28            System.out.print("Input data again ? <y/n> : ");
29            choices = scanner.next();
30
31        } while (choices.equalsIgnoreCase("y"));
32
33        System.out.println("The program has been ended!!!");
34    }
```

Result:



```
(zharsuke@LAPTOP-FCSRQQ00)~[~/Documents/College/Basic Programming/mid-exam/coding]
$ javac midex.java && java midex.java
Input daily score : 90
Input middle exam score : 80
Input final exam score : 70
Input quiz score : 60
Your final score is 77.5

Input data again ? <y/n> : y
Input daily score : 70
Input middle exam score : 80
Input final exam score : 90
Input quiz score : 100
Your final score is 82.5

Input data again ? <y/n> : n
The program has been ended!!!

(zharsuke@LAPTOP-FCSRQQ00)~[~/Documents/College/Basic Programming/mid-exam/coding]
$
```

2. Code :

```
1 import java.util.*;
2
3 public class midex2 {
4     public static void main(String[] args) {
5
6         Scanner scanner = new Scanner(System.in);
7         double daily_score, middle_exam, final_exam, quiz, final_score;
8         String choices;
9
10        do {
11
12            System.out.print("Input daily score : ");
13            daily_score = scanner.nextDouble();
14
15            System.out.print("Input middle exam score : ");
16            middle_exam = scanner.nextDouble();
17
18            System.out.print("Input final exam score : ");
19            final_exam = scanner.nextDouble();
20
21            System.out.print("Input quiz score : ");
22            quiz = scanner.nextDouble();
23
24            final_score = (daily_score * 0.25) + (middle_exam * 0.30) + (final_exam * 0.40) + (quiz * 0.05);
25
26            if (final_score >= 55 || middle_exam == 100 && final_exam == 100) {
27                System.out.println("Graduated");
28
29                if ((final_score < 70 && daily_score > 65 && middle_exam > 65 && final_exam > 65 && quiz > 65)) {
30                    System.out.println("Software Engineering major");
31                } else if (final_score > 70 && daily_score > 65 && quiz > 65) {
32                    System.out.println("Multimedia Major");
33                } else {
34                    System.out.println("Information System Major");
35                }
36            } else {
37                System.out.println("Not graduated!");
38            }
39
40            System.out.println("Your final score is " + final_score + "\n");
41
42            System.out.print("Input data again ? <y/n> : ");
43            choices = scanner.next();
44
45        } while (choices.equalsIgnoreCase("y"));
46
47        System.out.println("The program has been ended!!!");
48    }
49 }
```

Result :

```
EXPLODER
(zharsuke@LAPTOP-FCSRQQ00)-[~/Documents/College/Basic Programming/mid-exam/coding]
$ javac midex2.java && java midex2.java
Input quiz score : 69
Input daily score : 69
Input middle exam score : 69
Input final exam score : 69
Input quiz score : 69
Graduated
Software Engineering major
Your final score is 69.00000000000001

Input data again ? <y/n> : y
Input daily score : 90
Input middle exam score : 90
Input final exam score : 90
Input quiz score : 90
Graduated
Multimedia Major
Your final score is 90.0

Input data again ? <y/n> : y
Input daily score : 60
Input middle exam score : 60
Input final exam score : 60
Input quiz score : 60
Graduated
Information System Major
Your final score is 60.0

Input data again ? <y/n> : n
The program has been ended!!!

1 2 3 4
1345
JAVA PROJECTS
```

3. Code :

```
1 import java.util.*;
2
3 public class midex3 {
4     public static void main(String[] args) {
5
6         Scanner scanner = new Scanner(System.in);
7         double daily_score, middle_exam, final_exam, quiz, final_score;
8         // String choices;
9         int number_of_student, i = 0;
10
11         System.out.print("Input number of student : ");
12         number_of_student = scanner.nextInt();
13
14         while (true) {
15             i++;
16
17             System.out.print("Input daily score : ");
18             daily_score = scanner.nextDouble();
19
20             System.out.print("Input middle exam score : ");
21             middle_exam = scanner.nextDouble();
22
23             System.out.print("Input final exam score : ");
24             final_exam = scanner.nextDouble();
25
26             System.out.print("Input quiz score : ");
27             quiz = scanner.nextDouble();
28
29             final_score = (daily_score * 0.25) + (middle_exam * 0.30) + (final_exam * 0.40) + (quiz * 0.05);
30
31             if (final_score >= 55 || middle_exam == 100 && final_exam == 100) {
32                 System.out.println("Graduated");
33
34                 if (final_score < 70 && daily_score > 65 && middle_exam > 65 && final_exam > 65 && quiz > 65) {
35                     System.out.println("Software Engineering Major");
36                 } else if (final_score > 70 && daily_score > 65 && quiz > 65) {
37                     System.out.println("Multimedia Major");
38                 } else {
39                     System.out.println("Information System Major");
40                 }
41             } else {
42                 System.out.println("Not graduated!");
43             }
44
45             System.out.println("Your final score is " + final_score + "\n");
46
47             if (i >= number_of_student) {
48                 break;
49             }
50
51             System.out.println("The program has been ended!!!");
52         }
53     }
54 }
55
56
57
```

Result :

```
(zharsuke@LAPTOP-FCSRQQ00)-[~/Documents/College/Basic Programming/mid-exam/coding]
$ javac midex3.java && java midex3.java
Input number of student : 3
Input daily score : 90
Input middle exam score : 90
Input final exam score : 90
Input quiz score : 90
Graduated
Multimedia Major
Your final score is 90.0

Input daily score : 90
Input middle exam score : 90
Input final exam score : 90
Input quiz score : 90
Graduated
Multimedia Major
Your final score is 90.0

Input daily score : 90
Input middle exam score : 90
Input final exam score : 90
Input quiz score : 90
Graduated
Multimedia Major
Your final score is 90.0

The program has been ended!!!

(zharsuke@LAPTOP-FCSRQQ00)-[~/Documents/College/Basic Programming/mid-exam/coding]
$
```