```java
1
2  import java.util.*;
3  public class GradeSystem
4  {
5      public static void main(String[] args)
6      {
7          Scanner sc = new Scanner(System.in);
8
9          System.out.println("Enter the number of
   subjects :- ");
10         int nosub = sc.nextInt();
11
12         int totalM = 0;
13
14         for (int i=1; i<=nosub; i++)
15         {  System.out.println("Enter marks of Subject
    "+i+ " Out of 100 :- ");
16             int marks = sc.nextInt();
17             while (marks < 0 && marks >100)
18             { System.out.println("Invalid marks,
   Please enter marks between 0 and 100: ");
19                 System.out.println("Enter marks sor
   subject " + 1 + "out of 100:- ");
20                 marks = sc.nextInt();
21             }
22             totalM += marks;
23         }
24         System.out.println("Student Result :- ");
25         System.out.println("Total marks obtained in
   all subjects:- " + totalM);
26
27         int AvgPercent = totalM / nosub;
28         System.out.println("Average Percentage = " +
   AvgPercent);
29
30         if (AvgPercent >=90)
31         { System.out.println("Your grade is = A+");
32         }
33         else if (AvgPercent >= 80)
34         { System.out.println("Your grade is = A");
35         }
```

```java
36
37          else if (AvgPercent >= 70)
38          { System.out.println("Your grade is = B+");
39          }
40
41          else if (AvgPercent >= 60)
42          { System.out.println("Your grade is = B");}
43
44          else if (AvgPercent >= 50)
45          { System.out.println("Your grade is = C+");
46          }
47
48          else if (AvgPercent >=40)
49          { System.out.println("Your grade is = C");
50          }
51          else if (AvgPercent >=30)
52          { System.out.println("Your grade is = D");
53          }
54
55          else
56          { System.out.println("You are Fail");
57          }
58
59
60      }
61 }
62
63
64
65
66
67
```