

```
1 import java.util. ;
2 class Main
3 {
4     public static void main(String gs[])
5     {int total ;
6     Scanner in = new Scanner(System.in);
7     System.out.println("Enter the CIE marks (out of 50)");
8     int CIE= in.nextInt();
9     System.out.println("Enter the SEE marks (out of 100):");
10    int SEE = in.nextInt();
11    total = (CIE +(SEE/2));
12    if(total>=89)
13    { System.out.println(" Your grade is A.");
14    }
15    else if (total>=80)
16    {System.out.println(" Your grade is B.");
17    }
18    else if (total>=60)
19    {System.out.println(" Your grade is C.");
20    }
21    else if (total>=40)
22    {System.out.println(" Your grade is D.");
23    }
24    else
25    System.out.println(" Your grade is E.");}
26 }
27 }
```

# Main.java

Enter the CIE marks (out of 50)

47

Enter the SEE marks (out of 100):

88

Your grade is A.

...Program finished with exit code 0

Press ENTER to exit console.

## Main.java

```
1 public class Main
2 {
3     public static void main(String[] args) {
4         System.out.println("Hello World");
5     }
6 }
7 .
```

# Main.java

```
    ↵  ⌂  
Hello World
```

```
...Program finished with exit code 0  
Press ENTER to exit console.
```

## Main.java

```
1 import java.util.*;
2 class Main
3 {
4     public static void main(String[] args)
5     {
6         int i,j,n,k=1;
7         System.out.println("enter the value of n:");
8         Scanner sc=new Scanner(System.in);
9         n=sc.nextInt();
10        for(i=1;i<=n;i++)
11        {
12            for(j=1;j<=i;j++)
13                System.out.print(k++);
14            System.out.println(" ");
15        }
16    }
17 }
18 }
19 }
```



enter the value of n:4

1

23

456

78910

...Program finished with exit code 0

Press ENTER to exit console.■

```
1    java.util.Scanner;  
2    Main  
3    {  
4        public static void main(      [] args)  
5        {  
6            int a, b, c;  
7            Scanner s = new Scanner(System.in);  
8            System.out.print("Enter the first number:");  
9            a = s.nextInt();  
10           System.out.print("Enter the second number:");  
11           b = s.nextInt();  
12           System.out.print("Enter the third number:");  
13           c = s.nextInt();  
14           if(a > b && a > c)  
15           {  
16               System.out.println("Largest number is:"+a);  
17           }  
18           else if(b > c&& b>a)  
19           {  
20               System.out.println("Largest number is:"+b);  
21           }  
22           else  
23           {  
24               System.out.println("Largest number is:"+c);  
25           }  
26       }  
27   }  
28 }
```

## Main.java

```
Enter the first number:55  
Enter the second number:14  
Enter the third number:88  
Largest number is:88
```

```
...Program finished with exit code 0  
Press ENTER to exit console.
```

## Main.java

```
1 import java.util.Scanner;
2 class Main
3 {
4     public static void main(String[] args)
5     {
6         int i,n;
7         Scanner s = new Scanner(System.in);
8         System.out.print("Enter the value of n:");
9         n = s.nextInt();
10        System.out.println("numbers are:");
11        for(i=1;i<=n;i++)
12        {
13            System.out.println(i);
14        }
15    }
16 }
```

Enter the value of n:7

numbers are:

1

2

3

4

5

6

7

...Program finished with exit code 0

Press ENTER to exit console. □

## Main.java

```
1 import java.util.Scanner;
2 class Main
3 {
4     public static void main(String[] args)
5     {
6         Scanner sc=new Scanner(System.in);
7         int a,b,i,j,count;
8         System.out.print("Enter the lower bound of interval : ");
9         a = sc.nextInt();
10        System.out.print("Enter the upper bound of interval : ");
11        b = sc.nextInt();
12        System.out.println("Prime numbers between "+a+" and "+b+" are : ");
13        for( i = a ; i <= b ; i++)
14        {
15            count = 0;
16            for( j = 1 ; j <= i ; j++)
17            {
18                if(i % j == 0)
19                    count = count+1;
20            }
21            if(count == 2)
22                System.out.println(i);
23        }
24    }
25 }
26 }
```



Enter the lower bound of interval : 15

Enter the upper bound of interval : 25

Prime numbers between 15 and 25 are :

17

19

23

...Program finished with exit code 0

Press ENTER to exit console. █

```
int iot;
int advanced_java;
int advanced_data; typedef struct student {
char name[50];
char course[50];
}std;
int main() {
10 char elective1[50] = "Internet Of Things";
11 char elective2[50] = "Advanced Java And J2EE";
12 char elective3[50] = "Advanced DataStructures";
13 printf("Courses available are \n \t 1:Internet Of Things\n \t2:Advanced Java And J2EE\n \t3:Advanced DataS
14 int n;
15 int choice;
16 printf("Enter the number of students\n"); scanf(" %d", &n);
17 std s[n];
18 for(int i=0;i<n;i++)
19 {
20 printf("Enter the name of student %d \n", (i+1)); scanf(" %s", s[i].name);
21 fflush(stdin);
22 printf("Enter the elective of student %d \n", (i+1)); printf("enter your choice\n");
23 fflush(stdin);
24 scanf(" %d", &choice); switch(choice)
25 {
26 case 1:
27 strcpy(s[i].course,elective1); break;
28 case 2: strcpy(s[i].course,elective2); break;
29 case 3: strcpy(s[i].course,elective3);
30 }
```

```
31     ; }
32     (stdin); }
33 for(int i=0;i<n;i++) {
34 if(strcmp(elective1,s[i].course,strlen(elective1))==0) {
35 printf("Student %s has selected for %s course\n",s[i].name,s[i].course);
36 iot++;
37 if(strcmp(elective2,s[i].course,strlen(elective2))==0) {
38 printf("Student %s has selected for %s course\n",s[i].name,s[i].course);
39 advanced_java++;
40 if(strcmp(elective3,s[i].course,strlen(elective3))==0) {
41 printf("Student %s has selected for %s course\n",s[i].name,s[i].course);
42 advanced_data++;
43 }
44 printf("*****\n");
45 printf("Number of student applied for internet of things is %d\n",iot);
46 printf("Number of students applied for Advanced java and J2EEE is %d\n",advanced_java); printf("Number of
47 {
48 for(int i=0;i<n;i++)
49
50{
51 if(strcmp(s[i].course,elective1,strlen(elective1))==0) {
52 printf("%s please select from the other two course this course cannot be floated\n",s[i].name);
53 printf("2:Advanced Java And J2EEE\n3:Advanced DataStructures\n"); printf("Enter your new choice\n");
54 scanf(" %d",&choice);
55 iot=0;
56 switch(choice) {
57 case 2: strcpy(s[i].course,elective2); advanced_java++;
58 break;
59 case 3: strcpy(s[i].course,elective3); advanced_data++;
60 break;
```

```
    }
}
}
} } (advanced_java > 0) {
(int i = 0;i < n;i++) {
if(strcmp(s[i].course,elective2,strlen(elective2)) == 0) {

    printf(" %s please select from the other two course this course cannot be floated\n",s[i].name);
    printf("1:Internet Of Things\n2:Advanced DataStructures\n"); printf("Enter your new choice\n");
    scanf("%d",&choice);
advanced_java=0;
switch(choice) {
case 1: strcpy(s[i].course,elective1); iot++;
break;
case 3: strcpy(s[i].course,elective3); advanced_data++;
break;
}
}
}
if(advanced_data<30) {
for(int i=0;i<n;i++) {
if(strcmp(s[i].course,elective3,strlen(elective3)) == 0) {
printf(" %s please select from the other two course this course cannot be floated\n",s[i].name);
printf("1:Internet Of Things\n2:Advanced JAVA and J2EE\n");

printf("Enter your new choice\n"); scanf("%d",&choice); advanced_data=0;
switch(choice)
{
case 1:
strcpy(s[i].course,elective1); iot++;
break;
case 3:
strcpy(s[i].course,elective3); advanced_data++;
break;
}
}
}
}
```

```
88 case 1:  
89 strcpy(s[i].course,elective1); iot++;  
90 break;  
91 case 2: strcpy(s[i].course,elective2); advanced_java++;  
92 break;  
93 }  
94 } }  
95 }  
96 printf("*****After Reselection*****\n");  
97 printf("Number of student applied for internet of things is %d\n",iot);  
98 printf("Number of students applied for Advanced java and J2EEE is %d\n",advanced_java); printf("Number  
99 ·for(int i=0;i<n;i++) {  
00 printf("%s has selected %s course\n",s[i].name,s[i].course); }  
01 }  
02 }
```

Courses available are  
1:Internet Of Things  
2:Advanced Java And J2EE  
3:Advanced DataStructures  
Enter the number of students  
  
Enter the name of student 1  
Bari  
Enter the elective of student 1  
Enter your choice  
  
Enter the name of student 2  
Aamir  
Enter the elective of student 2  
Enter your choice  
  
Enter the name of student 3  
Suhail  
Enter the elective of student 3  
Enter your choice  
  
Enter the name of student 4  
Asmaath  
Enter the elective of student 4  
Enter your choice  
  
Enter the name of student 5  
Barish  
Enter the elective of student 5  
Enter your choice

Student Baris has selected for Internet Of Things course  
Student Aamir has selected for Advanced Java And J2EE course  
Student Suhail has selected for Advanced DataStructures course  
Student Asmaath has selected for Advanced DataStructures course  
Student Barish has selected for Internet Of Things course

Enter the name of student : 5

Harish

Enter the elective of student : 5

Enter your choice

1

Student Hari has selected for Internet Of Things course

Student Asrar has selected for Advanced Java And J2EE course

Student Subhas has selected for Advanced DataStructures course

Student Ananth has selected for Advanced DataStructures course

Student Harish has selected for Internet Of Things course

\*\*\*\*\*

Number of student applied for Internet of things is 2

Number of students applied for Advanced java and J2EE is 1

Number of student applied for Advanced DataStructures is 3

Asrar please select from the other two course this course cannot be floated

1:Internet Of Things

3:Advanced DataStructures

Enter your new choice

3

\*\*\*\*\*AfterNewSelection\*\*\*\*\*

Number of student applied for internet of things is 2

Number of students applied for Advanced java and J2EE is 0

Number of student applied for Advanced DataStructures is 3

\*\*\*\*\*

Hari has selected Internet Of Things course

Asrar has selected Advanced DataStructures course

Subhas has selected Advanced DataStructures course

Ananth has selected Advanced DataStructures course

Harish has selected Internet Of Things course

...Program finished with exit code 0

Press Enter to exit console.