

1 - Notepad

File Edit Format View Help

```
class HelloWorld {  
    public static void main(String[] args) {  
        System.out.println("Hello, World!");  
    }  
}
```

```
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```

```
C:\Users\priya>cd desktop
```

```
C:\Users\priya\Desktop>cd java
```

```
C:\Users\priya\Desktop\java>javac 1.java
```

```
C:\Users\priya\Desktop\java>java HelloWorld  
Hello, World!
```

```
C:\Users\priya\Desktop\java>
```

```
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```

```
C:\Users\priya>cd desktop  
C:\Users\priya\Desktop>cd java  
C:\Users\priya\Desktop\java>javac 11.java  
C:\Users\priya\Desktop\java>java largest  
largest number is: 5  
C:\Users\priya\Desktop\java>
```

12 - Notepad

File Edit Format View Help  
import java.util.Scanner;

```
class n_numbers{  
    public static void main(String args[]){  
        System.out.print("Enter n value: ");  
        Scanner in = new Scanner(System.in);  
        int n=in.nextInt();  
        for(int i=1;i<=n;i++){  
            System.out.println(i);  
        }  
    }  
}
```

Command Prompt

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C:\Users\priya>cd desktop

C:\Users\priya\Desktop>cd java

C:\Users\priya\Desktop\java>javac 12.java

C:\Users\priya\Desktop\java>java n\_numbers

Enter n value: 2

1

2

C:\Users\priya\Desktop\java>

13 - Notepad

File Edit Format View Help

```
import java.util.Scanner;
```

```
class pattern{  
    public static void main(String args[]){  
        System.out.print("Enter n value: ");  
        Scanner in = new Scanner(System.in);  
        int n=in.nextInt();  
        int count=1;  
        for(int i=1;i<=n;i++){  
            System.out.print("\n");  
            for(int j=0;j<i;j++){  
                System.out.print("\t"+count);  
                count++;  
            }  
        }  
    }  
}
```

```
Command Prompt  
Microsoft Windows [Version 10.0.18363.1082]  
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C:\Users\priya>cd desktop  
  
C:\Users\priya\Desktop>cd java  
  
C:\Users\priya\Desktop\java>javac 13.java  
  
C:\Users\priya\Desktop\java>java pattern  
Enter n value: 4  
  
    1  
   2 3  
  4 5 6  
 7 8 9 10  
C:\Users\priya\Desktop\java>
```

```

File Edit Format View Help
import java.util.*;
class cie{
    public static void main(String args[]){
        Scanner in=new Scanner(System.in);
        System.out.print("Enter cie marks(out of 50): ");
        int ci=in.nextInt();
        System.out.print("Enter SEE marks(out of 100): ");
        int see=in.nextInt();
        see=see/2;
        int tot = ci + see;
        if(tot > 90 && tot < 100){
            System.out.println("Grade is: S");
        }
        else if(tot>80){
            System.out.println("Grade is: A");
        }
        else if(tot>70){
            System.out.println("Grade is: B");
        }
        else if(tot>60){
            System.out.println("Grade is: C");
        }
        else if(tot>50){
            System.out.println("Grade is: D");
        }
        else if(tot>40){
            System.out.println("Grade is: E");
        }
        else if(tot<40){
            System.out.println("Grade is: F");
        }
        else
            System.out.println("error");
    }
}

```

```

Command Prompt
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C:\Users\priya>cd desktop
C:\Users\priya\Desktop>cd java
C:\Users\priya\Desktop\java>javac 14.java
C:\Users\priya\Desktop\java>java cie
Enter cie marks(out of 50): 36
Enter SEE marks(out of 100): 78
Grade is: B
C:\Users\priya\Desktop\java>

```

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```
import java.util.*;  
class prime{  
    public static void main(String args[]){  
        int n1,n2;  
        Scanner in=new Scanner(System.in);  
        System.out.println("Enter first integer: ");  
        n1=in.nextInt();  
        System.out.println("Enter second integer: ");  
        n2=in.nextInt();  
        for(int i=n1;i<=n2;i++){  
            if(i%2!=0&& i%3!=0){  
                System.out.println(i);  
            }  
        }  
    }  
}
```

```
Command Prompt  
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C:\Users\priya>cd desktop  
  
C:\Users\priya\Desktop>cd java  
  
C:\Users\priya\Desktop\java>javac 15.java  
  
C:\Users\priya\Desktop\java>java prime  
Enter first integer:  
3  
Enter second integer:  
5  
5  
  
C:\Users\priya\Desktop\java>
```

```

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File Edit Format View Help
#include<stdio.h>
#include<stdlib.h>

int main()
{
    int a,stu[1000],n,s1[500],s2[500],s3[500],i,i1=0,i2=0,i3=0,a1,a2,a3,j,k,l,x,y,z,x1,y1,z1,x2,y2,z2;
    printf("Enter number of students: ");
    scanf("%d",&n);
    for(i=0;i<n;i++)
    {
        printf("\nEnter your id: ");
        scanf("%d",&stu[i]);
        printf("1-Internet of Things\n2-Advanced Java and J2EE\n3-Advanced Data Structures\n");
        printf("Choose from the above electives: ");
        scanf("%d",&a);
        switch(a)
        {
            case 1:
                s1[i1]=stu[i];
                i1++;
                printf("Number of students for elective 1 till now: %d",i1);
                break;
            case 2:
                s2[i2]=stu[i];
                i2++;
                printf("Number of students for elective 2 till now: %d",i2);
                break;
            case 3:
                s3[i3]=stu[i];
                i3++;
                printf("Number of students for elective 3 till now: %d",i3);
                break;
            default:
                printf("Enter valid choice");
                break;
        }
    }
    printf("\nTotal number of students in each elective is\n1-%d\n2-%d\n3-%d\n",i1,i2,i3);
    printf("\nStudents in elective 1 are-");
    for(x=0;x<i1;x++)
    {
        printf("%d\n",s1[x]);
    }
}

```

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100%

Windows (CRLF)

UTF-8



```
}
printf("\nStudents in elective 2 are-");
for(y=0;y<i2;y++)
{
    printf("%d\n",s2[y]);
}
printf("\nStudents in elective 3 are-");
for(z=0;z<i3;z++)
{
    printf("%d\n",s3[z]);
}
if(i1<30)
{
    printf("\nInternet of Things will not be floated due to lack of students\nPlease choose from the remaining two electives-");
    for(j=0;j<i1;j++)
    {
        printf("Student with id %d please choose",s1[j]);
        printf("\n1-Advanced Java and J2EE\n2-Advanced Data Structures\n");
        scanf("%d",&a1);
        switch(a1)
        {
            case 1:
                s2[i2]=s1[j];
                i2++;
                break;
            case 2:
                s3[i3]=s1[j];
                i3++;
                break;
            default:
                printf("Enter valid choice");
                break;
        }
    }
    printf("\nNow total students in each elective\n1-%d\n2-%d\n",i2,i3);
    printf("\nStudents in elective 1 are-");
    for(y2=0;y2<i2;y2++)
    {
        printf("%d\n",s2[y2]);
    }
    printf("\nStudents in elective 2 are-");
    for(z1=0;z1<i3;z1++)
```

```
        case 2:
            s3[i3]=s2[k];
            i3++;
            break;
        default:
            printf("Enter valid choice");
            break;
    }
}
printf("\nNow total students in each elective\n1-%d\n2-%d\n",i1,i3);
printf("\nStudents in elective 1 are-");
for(x2=0;x2<i1;x2++)
{
    printf("%d\n",s1[x2]);
}
printf("\nStudents in elective 2 are-");
for(z2=0;z2<i3;z2++)
{
    printf("%d\n",s3[z2]);
}
}
else if(i3<30)
{
    printf("\nAdvanced Data Structures will not be floated due to lack of students\nPlease choose from the remaining two electives-");
    for(l=0;l<i1;l++)
    {
        printf("Student with id %d please choose",s3[l]);
        printf("\n1-Internet of Things\n2-Advanced Java and J2EE\n");
        scanf("%d",&a3);
        switch(a3)
        {
            case 1:
                s1[i1]=s3[l];
                i1++;
                break;
            case 2:
                s2[i2]=s3[l];
                i2++;
                break;
            default:
                printf("Enter valid choice");
                break;
        }
    }
}
```

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```
        printf("%d\n",s3[z2]);
    }
}
else if(i3<30)
{
    printf("\nAdvanced Data Structures will not be floated due to lack of students\nPlease choose from the remaining two electives-");
    for(l=0;l<i1;l++)
    {
        printf("Student with id %d please choose",s3[l]);
        printf("\n1-Internet of Things\n2-Advanced Java and J2EE\n");
        scanf("%d",&a3);
        switch(a3)
        {
            case 1:
                s1[i1]=s3[l];
                i1++;
                break;
            case 2:
                s2[i2]=s3[l];
                i2++;
                break;
            default:
                printf("Enter valid choice");
                break;
        }
    }
    printf("\nNow total number of students in each elective\n1-%d\2-%d\n",i1,i2);
    printf("\nStudents in elective 1 are-");
    for(x1=0;x1<i1;x1++)
    {
        printf("%d\n",s1[x1]);
    }
    printf("\nStudents in elective 2 are-");
    for(y1=0;y1<i2;y1++)
    {
        printf("%d\n",s2[y1]);
    }
}
return 0;
}
```

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main.c  
138  
139  
140  
141  
142

```
case 2:  
    s2[i2]=s2[1];  
    i2++;  
    break;
```

input  
Enter number of students: 500  
Enter your id: 32  
1-Internet of Things  
2-Advanced Java and J2EE  
3-Advanced Data Structures  
Choose from the above electives: 2  
Number of students for elective 2 till now: 1  
< Enter your id: 32  
1-Internet of Things  
2-Advanced Java and J2EE  
3-Advanced Data Structures  
Choose from the above electives: 3  
Number of students for elective 3 till now: 1  
Enter your id: 34  
1-Internet of Things  
2-Advanced Java and J2EE  
3-Advanced Data Structures  
Choose from the above electives: []

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