

```

9  #include <stdio.h>
10
11 int main()
12 {
13     int a,n;
14     a=1;
15     printf("enter number:");
16     scanf("%d",&n);
17
18     for(int i=1;i<=n;i++)
19     {
20         for(int j=1;j<=i;j++)
21         {
22
23             printf("%d ",a);
24             a++;
25         }
26         printf("\n");
27     }
28
29     return 0;
30 }
31

```

```

1
2 3
4 5 6
7 8 9 10

```

GDB

```

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

```

```

9  #include <stdio.h>
10
11  int main()
12  {
13      int cie[50],see[50],total[50];
14      printf("enter marks for 5 subjects:\n");
15      for(int i=1;i<=5;i++)
16      {
17          printf("enter CIE(out of 50 ) and SEE(out of 50) marks for %d subject:",i);
18          scanf("%d%d",&cie[i],&see[i]);
19          total[i]=cie[i]+see[i];
20      }
21
22      printf("the grade in each subject is: \n");
23      for(int i=1;i<=5;i++)
24      {
25
26          printf("\n the grade in subject %d is:",i);
27          if( total[i]>=90)
28              printf("S");
29          else if (total[i]>=80&&total[i]<90)
30              printf("A");
31          else if (total[i]>=70&&total[i]<80)
32              printf("B");
33          else if (total[i]>=60&&total[i]<70)
34              printf("C");
35          else if (total[i]>=50&&total[i]<60)

```

input

```

enter marks for 5 subjects:
enter CIE(out of 50 ) and SEE(out of 50) marks for 1 subject:20 20
enter CIE(out of 50 ) and SEE(out of 50) marks for 2 subject:30 30
enter CIE(out of 50 ) and SEE(out of 50) marks for 3 subject:35 40
enter CIE(out of 50 ) and SEE(out of 50) marks for 4 subject:10 10
enter CIE(out of 50 ) and SEE(out of 50) marks for 5 subject:45 47
the grade in each subject is:

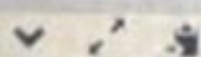
```



```

20     }
21
22     printf("the grade in each subject is: \n");
23     for(int i=1;i<=5;i++)
24     {
25
26         printf("\n the grade in subject %d is:",i);
27         if( total[i]>=90)
28             printf("S");
29         else if (total[i]>=80&&total[i]<90)
30             printf("A");
31         else if (total[i]>=70&&total[i]<80)
32             printf("B");
33         else if (total[i]>=60&&total[i]<70)
34             printf("C");
35         else if (total[i]>=50&&total[i]<60)
36             printf("D");
37         else if (total[i]>=40&&total[i]<50)
38             printf("E");
39         else
40             printf("Fail");
41     }
42     return 0;
43 }
44
45
46
47

```



input

the grade in each subject is:

```

the grade in subject 1 is:E
the grade in subject 2 is:C
the grade in subject 3 is:B
the grade in subject 4 is:Fail
the grade in subject 5 is:S

```



```

8  ****
9  #include <stdio.h>
10
11 int main()
12 {
13     int a,b;
14     printf("Enter two numbers:");
15     scanf("%d %d",&a,&b);
16
17     int k;
18     printf("the prime numbers between %d and %d:\n",a,b);
19     for(int i=a;i<=b;i++)
20     {
21         for(int j=2;j<=i/2;j++)
22         {
23             if(i%j==0)
24             {
25                 k=0;
26                 break;
27             }
28             else
29                 k=1;
30         }

```

input


```

21     for(int j=2;j<=i/2;j++)
22     {
23         if(i%j==0)
24         {
25             k=0;
26             break;
27         }
28         else
29             k=1;
30     }
31     if(k==1)
32         printf("%d\n",i);
33 }
34 return 0;
35 }
36

```

input

Enter two numbers:3 15

the prime numbers between 3 and 15:

5

7

11

13