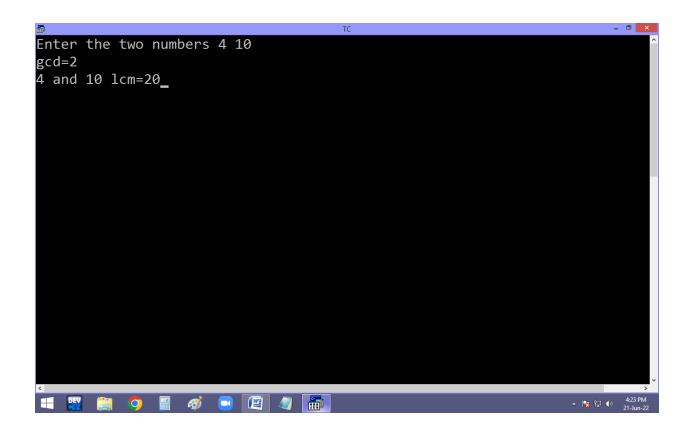
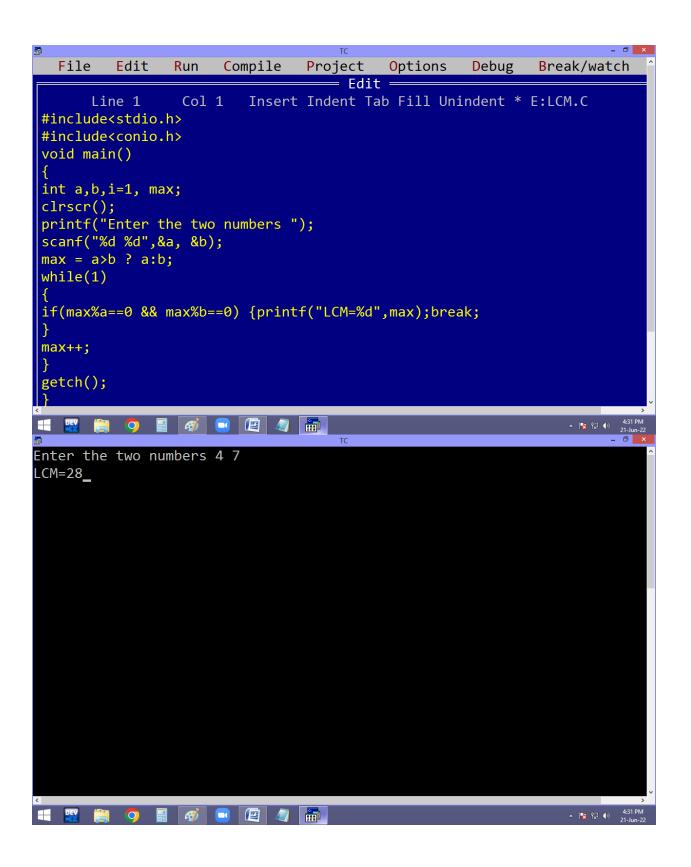
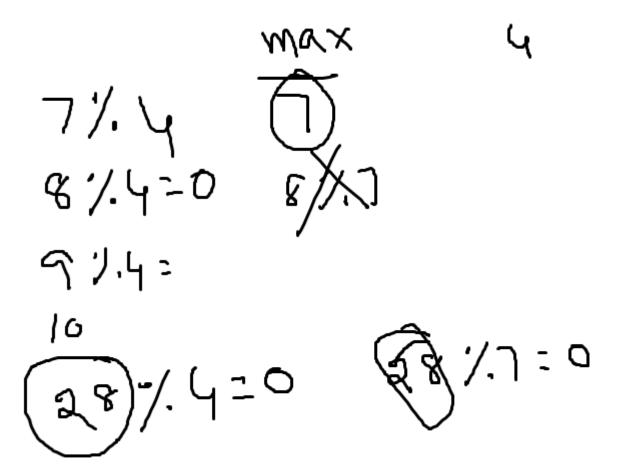
# Finding LCM [ Lowest Common Multiple ] of given two numbers.

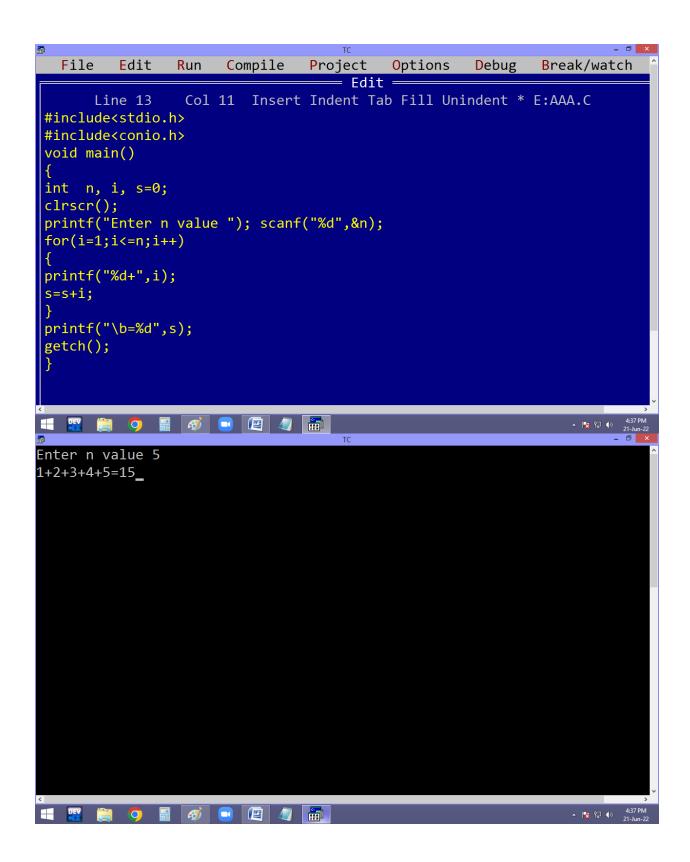
```
File Edit
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                                        Options
                                                 Debug
                                                        Break/watch
                                 = Edit =
                Col 1
                        Insert Indent Tab Fill Unindent * E:LCM.C
      Line 6
 #include<stdio.h>
 #include<conio.h>
 void main()
 int a,b,i=1, gcd;
 clrscr();
 printf("Enter the two numbers ");
 scanf("%d %d",&a, &b);
while(i<=a && i<=b)</pre>
 if(a%i==0 && b%i==0) gcd=i;
 i++;
printf("gcd=%d\n",gcd);
printf("%d and %d lcm=%d",a,b,(a*b)/gcd);
 getch();
▲ 😼 😭 🜓 4:28 PM
```

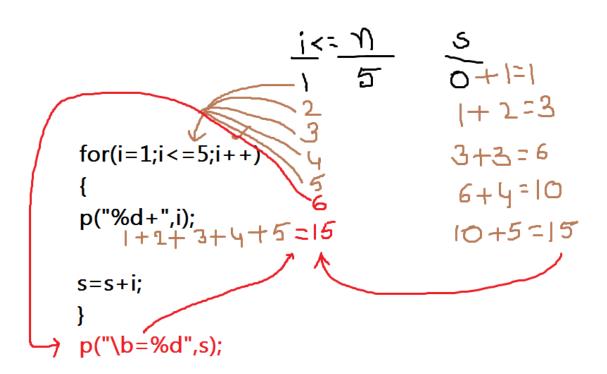




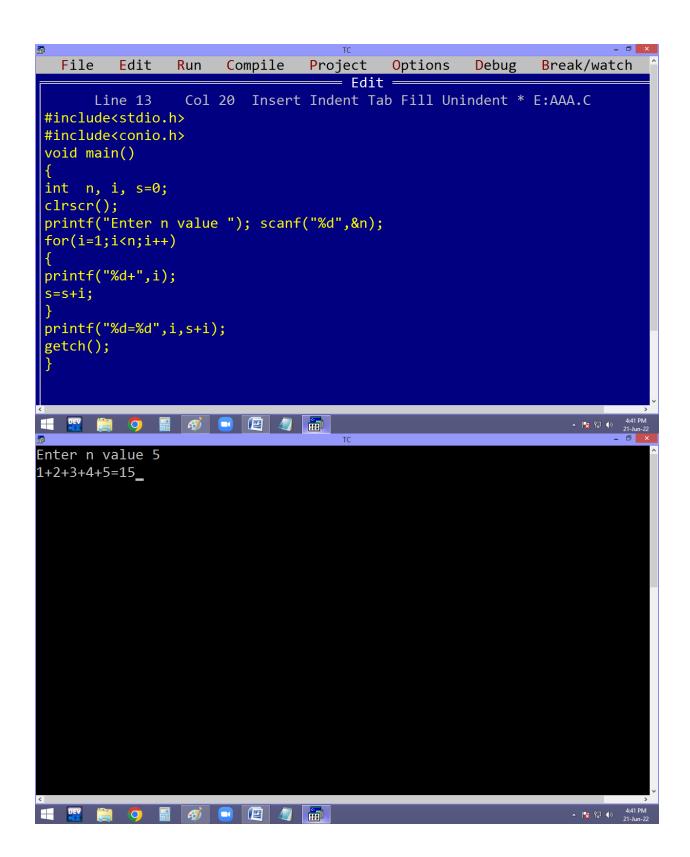


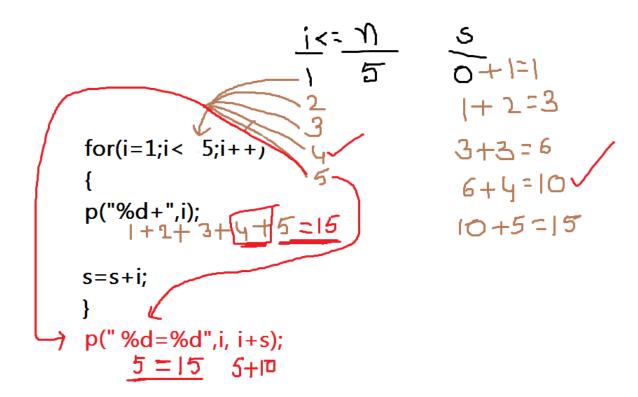
Eg. Find sum of below series.





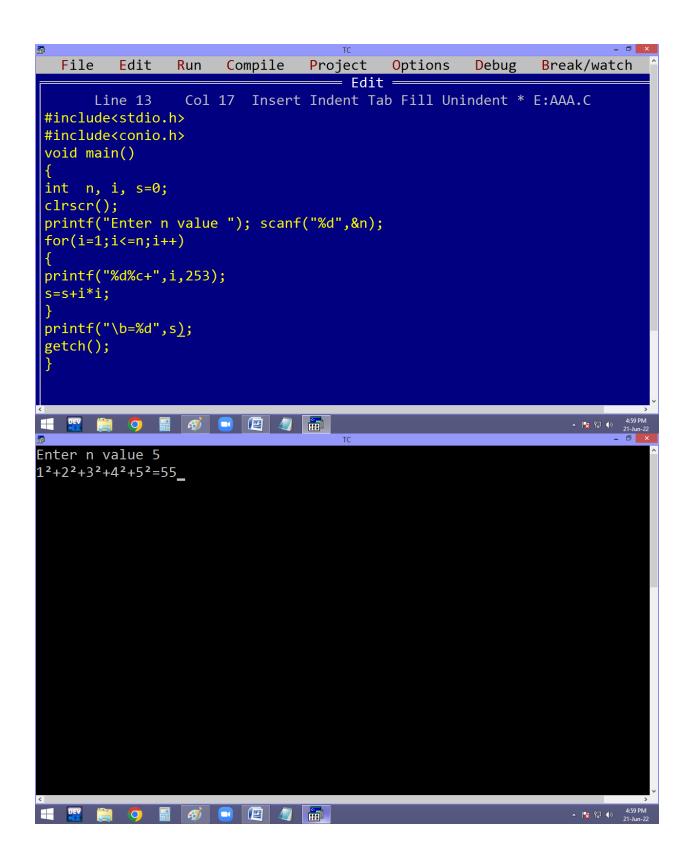
## Without using \b:

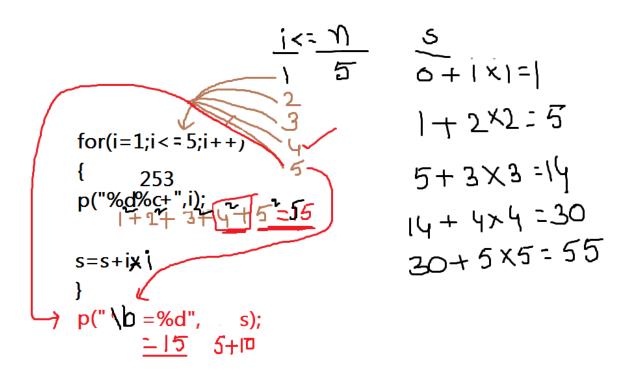




#### Eg. printing below output.

$$\frac{\gamma_{1}}{5} \Rightarrow 1 + 2 + 3^{2} + 4 + 5^{2} = 55$$

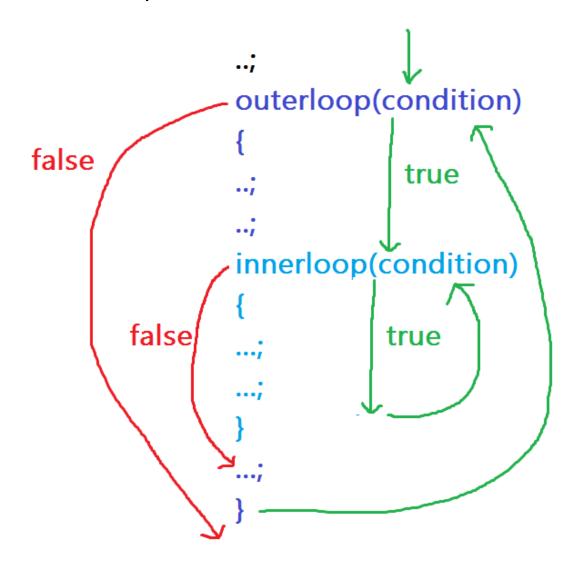




### Finding ascii value:

```
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   File Edit
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                                                      Options Debug
                                                                            Break/watch
                                            — Edit —
        Line 9
                      Col 2
                                Insert Indent Tab Fill Unindent * E:AAA.C
#include<stdio.h>
#include<conio.h>
void main()
int i;
clrscr();
 for(i=0;i<256;i++) printf("%d=%c\t",i,i);
getch();
 }_
                                                                                 ▲ 🙀 😭 🌖 5:05 PM
21-Jun-22
# DEV
                  0=
            1=0
                      2=0
                                3=♥
                                           4=♦
                                                     5=♣
                                                               6=♠
                                                                          7=
                                                                                   8
                   10=
Pa
            14=月
                      15=₽
                                16=▶
                                           17=◄
                                                     18=$
                                                               19=!!
                                                                          20=¶
                                                                                    21=§
   22=-
             23=$
                       24=↑
                                 25=↓
                                            26=
                                                     27=←
                                                               28=L
                                                                          29=↔
                                                                                    30=▲
L
                               34="
                                                                             39="
                                                           37=%
                                                                    38=&
   31=▼
             32=
                      33=!
                                        35=#
                                                                                      40=(
                                                  36=$
             42=*
                                                                    48=0
                                                                                      50=2
    41=)
                      43=+
                               44=,
                                        45=-
                                                  46=.
                                                           47=/
                                                                             49=1
    51=3
             52=4
                      53=5
                               54=6
                                        55=7
                                                  56=8
                                                           57=9
                                                                    58=:
                                                                             59=;
                                                                                      60=<
                      63=?
                                                  66=B
    61==
             62=>
                               64=@
                                        65=A
                                                           67=C
                                                                    68=D
                                                                             69=E
                                                                                      70=F
                               74=J
                                        75=K
    71=G
             72=H
                      73=I
                                                  76=L
                                                           77=M
                                                                    78=N
                                                                             79=0
                                                                                      80=P
                               84=T
                                                  86=V
    81=Q
             82=R
                      83=S
                                        85=U
                                                           87=W
                                                                    88=X
                                                                             89=Y
                                                                                      90=Z
    91=[
             92=\
                      93=]
                               94=^
                                        95=_
                                                  96=`
                                                           97=a
                                                                    98=b
                                                                             99=c
                                                                                      100=d
                                        105=i
             102=f
    101=e
                      103=g
                               104=h
                                                  106=i
                                                           107=k
                                                                    108=1
                                                                             109=m
                                                                                      110=n
                                                           117=u
    111=o
             112=p
                      113=q
                               114=r
                                        115=s
                                                  116=t
                                                                    118=v
                                                                             119=w
                                                                                      120=x
                      123={
                               124=
                                        125=}
                                                  126=~
                                                                     128=Ç
                                                                              129=ü
                                                                                       130=é
    121=y
             122=z
                                                           127=△
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     131=â
              132=ä
                       133=à
                                134=å
                                          135=c
                                                   136=ê
                                                            137=ë
                                                                     138=è
                                                                              139=ï
     141=ì
              142=Ä
                       143=Å
                                144=É
                                          145=æ
                                                   146=Æ
                                                            147=ô
                                                                     148=ö
                                                                              149=ò
                                                                                       150=û
     151=ù
              152=ÿ
                       153=Ö
                                154=Ü
                                          155=¢
                                                   156=£
                                                            157=¥
                                                                     158=Rs
                                                                              159=f
                                                                                       160=á
     161=í
              162=ó
                       163=ú
                                164=ñ
                                          165=Ñ
                                                   166=ª
                                                            167=9
                                                                     ن=861
                                                                              169=-
                                                                                       170=-
     171=1/2
              172=1/4
                                174=«
                                                   176=
                                                                     178=
                                                                              179= l
                                                                                       180=-
                       173 = i
                                          175=»
                                                            177=
                                184=7
                                                            187=╗
                                                                     188=<sup>J</sup>
     181=
              182=
                       183=<sub>11</sub>
                                          185=
                                                   186=
                                                                              189=<sup>||</sup>
                                                                                       190==
                       193=<sup>L</sup>
                                                                                       200=L
     191=7
              192= L
                                194=<sub>T</sub>
                                          195=
                                                   196=-
                                                            197=
                                                                     198=
                                                                              199=
                                                                     208=<sup>1</sup>
              202=<sup>JL</sup>
                       203=∓
                                 204=|
                                          205==
                                                   206=非
                                                            207=±
                                                                              209==
                                                                                       210=π
     201=F
     211=
              212= L
                       213= 7
                                214=<sub>|[</sub>
                                          215=
                                                   216=<del>+</del>
                                                            217=
                                                                     218= Γ
                                                                              219=
                                                                                       220=
                       223=
     221=
              222=
                                224 = \alpha
                                          225=ß
                                                   226=Γ
                                                                     228=Σ
                                                                                       230 = \mu
                                                            227 = \pi
                                                                              229 = \sigma
     231=τ
              232=Φ
                       233=0
                                234=Ω
                                          235=δ
                                                   236=∞
                                                            237=ф
                                                                     238=ε
                                                                              239=∩
                                                                                       240=≡
     241=±
              242=≥
                       243=≤
                                 244=[
                                          245=
                                                   246=÷
                                                            247=≈
                                                                     248=°
                                                                              249= •
                                                                                       250= •
     251=√
              252=n
                       253=^{2}
                                254=■
                                          255=
```

Nested loops: Loop within another loop is called nested loop.



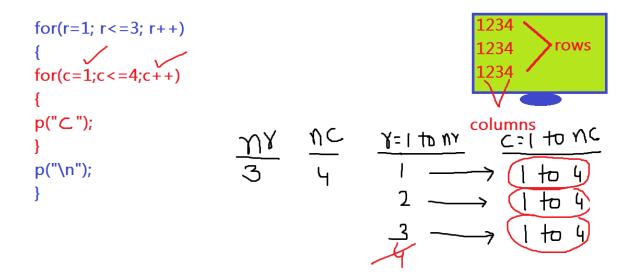
**Printing below pattern:** 

```
- 🗇 X
                Col 2
                         Insert Indent Tab Fill Unindent * E:AAA.C
      Line 1
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc,r,c;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("*");
printf("\n");
getch();
                                                           120%
Page: 12 of 13 Words: 43 🕉
                                                                 ↑ 🔁 🕩 5:23 PM
21-Jun-22
          Enter no of rows and columns 3 4
***
****
                                                                 ▲ 🔽 😭 🜓 5:23 PM
```

```
_ 🗇 X
                       Compile Project Options Debug Break/watch
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      Line 13
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc,r,c;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("* ");
printf("\n");
getch();
                                                                 ▲ 🔁 🗐 🌓 5:24 PM
            rows and columns 10 20
                                                                 ▲ 😼 🖳 🌓 5:24 PM
```

```
for(r=1; r<=3; r++)
{
for(c=1;c<=4;c++)
{
p("*");}
p("\n");
\frac{\gamma}{3} \quad \frac{\gamma}{4} \quad \frac{\gamma}{2} \quad \frac{\gamma}{1} \quad
```

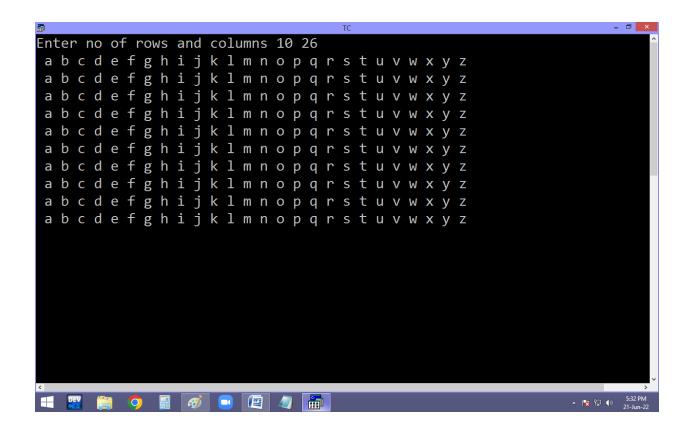
```
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                Col 15 Insert Indent Tab Fill Unindent * E:AAA.C
      Line 13
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc, r,c;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("%3d",c);
printf("\n");
getch();
                                                              ▲ 🔀 😭 🌓 5:26 PM
21-Jun-22
Enter no of rows and columns 10 10
       3
          4
             5
                6
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                         9 10
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                6
          4
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                6
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          4
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    2
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                      8
                        9 10
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                        9 10
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                      8 9 10
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                6 7
                      8 9 10
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                        9 10
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```



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                Col 15 Insert Indent Tab Fill Unindent * E:AAA.C
      Line 13
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc,r,c;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("%3d",r);
printf("\n");
getch();
                                                               ▲ 🔀 😭 🌓 5:28 PM 21-Jun-22
Enter no of rows and columns 10 20
                               1
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```

```
_ 🗇 🗙
                                       Debug
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                 Compile Project Options
                                             Break/watch
            Col 11 Insert Indent Tab Fill Unindent * E:AAA.C
    Line 13
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc,r,c;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("%2c",c+64);
printf("\n");
getch();
▲ 🔁 🗐 🌒 5:31 PM
Enter no of rows and columns 10 26
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
                                               ▲ 🔁 🕩 (i) 5:31 PM
```

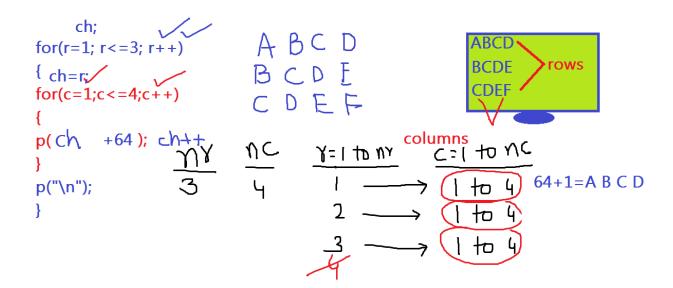
```
File Edit Run Compile Project Options Debug Break/watch
     Line 13
                Col 17 Insert Indent Tab Fill Unindent * E:AAA.C
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc,r,c;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("%2c",c+96);
printf("\n");
getch();
                                                              ▲ 🔁 🕩 5:32 PM 21-Jun-22
```



```
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                     File Edit
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                                                                                                                            Col 15 Insert Indent Tab Fill Unindent * E:AAA.C
                                             Line 13
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc,r,c;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("%2c",r+96);
printf("\n");
getch();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ^ 🔽 🖫 🌓 > 5:33 PM
21-Jun-22
   Enter no of rows and columns 10 10
       aaaaaaaa
      b b b b b b b b b
      \mathsf{c} \; 
      d d d d d d d d d
       eeeeeeee
       ffffffffff
       gggggggg
       hhhhhhhhhh
       i i i i i i i i i i
      jjjjjjjjjj
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ▲ 😼 🖫 🌓 5:33 PM
```

```
_ 🗇 🗙
                     File Edit
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                                                                                                                                Col 18 Insert Indent Tab Fill Unindent * E:AAA.C
                                              Line 13
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc,r,c;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
for(c=1;c<=nc;c++)
printf("%2c",r+64);
printf("\n");
getch();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ◆ 🔽 😭 🐠 5:34 PM 21-Jun-22
   Enter no of rows and columns 10 10
      \mathsf{A} \; 
      B B B B B B B B B
      \mathsf{D} \; \mathsf{D}
      EEEEEEEEE
       FFFFFFFFF
      GGGGGGGGG
      H H H H H H H H H H
       IIIIIIIII
       J J J J J J J J J J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ▲ 😼 🖫 🌓 5:34 PM
```

```
- 🗇 ×
    Line 19 Col 28 Insert Indent Tab Fill Unindent * E:AAA.C
#include<stdio.h>
#include<conio.h>
void main()
int nr, nc,r,c,ch;
clrscr();
printf("Enter no of rows and columns ");
scanf("%d %d",&nr, &nc);
for(r=1;r<=nr;r++)
ch=r;
for(c=1;c<=nc;c++)
printf("%2c",ch+64); ch++;
printf("\n");
getch();
                                                    ▲ 🔁 🗐 🌓 5:44 PM
Enter no of rows and columns 10 10
ABCDEFGHIJ
BCDEFGHIJK
CDEFGHIJKL
DEFGHIJKLM
EFGHIJKLMN
FGHIJKLMNO
GHIJKLMNOP
HIJKLMNOPQ
IJKLMNOPQR
JKLMNOPQRS
                                                    ▲ 😼 🖫 🌓 5:44 PM
```



#### Home work:

AAAA	AbCdE	AAAA	1234
bbbbb	AbCdE	aaaa	2345
CCCCC	AbCdE	BBBB	3456
ddddd	7.12.2.2	bbbb	3430