```c
#include <stdio.h>
#include <conio.h>
int main ()
{
    int i, j, n, num = 1;
    printf ("Enter the value of n:");
    scanf ("%d", &n);
    for (i = 1; i <= n; i++)
    {
        for (j = 1; j <= i; j++)
        {
            print ("%d", num);
            num ++;
        }
        printf ("\n");
    }
    return 0;
}
```

③

```c
(4). #include <stdio.h>

.int main ();

{
    int marks 1, marks 2;
    printf (" enter the CIE marks : ");
    scanf (" %d", & marks 1);
    printf (" Enter the SEE marks : ");
    scanf (" %d", & marks 2);
    if (marks 1 < 20)
        printf (" grade is f");
    elseif (marks 2 >= 90);
        printf (" grade is A");
    elseif (marks 2 >= 80);
        printf (" grade is B");
    elseif (" marks 2 >= 70");
        printf (" grade is c);
    elseif (" grade is
    elseif (" marks 2 >= 60 );
        printf (" grade is D);
    elseif (" marks 2 >= 40 ).
        printf (" grade is E");
    else
        printf (" grade is F");
}
```

```c
#include <stdio.h>
int checkPrimeNumber(int n);
int main(){
    int n1,n2,i,flag;
    printf("Enter two positive integers:");
    scanf("%d %d", &n1,&n2);
    printf("Prime numbers between %d and %d
    are ;", n1,n2);
    for(i=n1+1; i<n2; ++i)
    {
        flag = checkPrimeNumber(i);

        if(flag==1)
            printf("%d", i);

    }
    return 0;
}
int checkPrimeNumber(int n)
{
    int j, flag = 1;
    for(j=2;j<=n/2; ++j)
    {
        if(n%j==0)
        {
            flag =0;
            break;
        }
    }
    return flag;
}
```

```c
6) #include <stdio.h>
   #include <math.h>

uint main()
{
    float area, volume, r, h;
    uint i, n, t;
    float pi = 3.14;
    printf(" Enter how many times you want to run
    program \n");
    scanf("%d", &n);

    for (t = 0; t < n; t++)
    {
        printf("Enter 1: Cylinder, 2: Cone, 3: Sphere \n");
        scanf("%d", &i);

        switch(i){

        case 1:
        printf("Enter radius and height \n");
        scanf("%f,%f", &r, &h);
        area = (2* pi* r* h) + (2* pi * r*r);
        volume = (pi* r* r*h);
        printf(" the area and volume of cylinder
        is %f \n", area, volume);
            break;
        case 2:
```

```c
printf("entr raduis and height\n");
scanf("%f,%f",&r,&h);
area = pi*r*(r+sqrt((h*h)+(r*r)));
volume = pi*r*(h/3);
printf("the area and volume of cone is %f
and %f/n", area, volume);
break;
case 3:
printf("Enter raduis\n");
scanf("%f", &r);
area = 4*pi*r*r;
volume = (4/3)*pi*r*r*r;
printf("the area and volume of
sphere is %f and %f\n", area, volume);
break;
}
}
return 0;
}
```

```c
1    #include <stdio.h>
2    #include <stdlib.h>
3
4    int main()
5    {
6        int i,j,n,num=1;
7        printf("enter the value of n:");
8        scanf("%d",&n);
9        for(i=1;i<=n;i++)
10       {
11           for(j=1;j<=i;j++)
12           {
13               printf("%d",num);
14               num++;
15           }
16           printf("\n");
17       }
18       return 0;
19
20   }
21
22
23
```

```
enter the value of n:2
1
23

Process returned 0 (0x0)    execution time : 15.198 s
Press any key to continue.
```

```c
{
    int marks1, marks2;
    printf ("enter the CIE marks:");
    scanf ("%d", &marks1);
    printf ("enter the SEE marks:");
    scanf ("%d", &marks2);
    if (marks1 < 20)
      printf ("grade is f ");
    else if (marks2 >= 90)
        printf ("grade is A ");
    else if (marks2 >= 80)
        printf ("grade is B ");
        else if (marks2 >= 70)
        printf ("grade is C");
        else if (marks2 >= 60)
        printf ("grade is D ");
        else if (marks2 >= 40)
        printf ("grade is E ");
        else
        printf("grade is F");
}
```

```c
22              volume=(pi*r*r*h);
23              printf("the area and volume of cylinder is %f and %f\n",area,volume);
24              break;
25              case 2:
26              printf("enter radius and height\n");
27              scanf("%f,%f",&r,&h);
28              area=pi*r*(r+sqrt((h*h)+(r*r)));
29              volume=pi*r*r*(h/3);
30              printf("the area and volume of cone is %f and %f\n",area,volume);
31              break;
32              case 3:
33              printf("enter radius\n");
34              scanf("%f",&r);
35              area=4*pi*r*r;
36              volume=(4/3)*pi*r*r*r;
37              printf("the area and volume of sphere is %f and %f\n",area,volume);
38              break;
39          }
40      }

42      return 0;
43  }

45
```

```
"C:\Users\karthik sai\Documents\marks\bin\Debug\marks.exe"

enter the CIE marks:50
enter the SEE marks:70
grade is C
Process returned 0 (0x0)    execution time : 17.011 s
Press any key to continue.
_
```

Cscope ✕ ⚙ Debugger ✕

\OpenSSH;C:\Program Files
d;C:\Program Files (x86)\Brackets
e"   (in C:\Users\karthik sai

```c
#include <stdio.h>
#include <stdlib.h>

int main()
{
    int i,j,n,num=1;
    printf("enter the value of n:");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        for(j=1;j<=i;j++)
        {
            printf("%d",num);
            num++;
        }
        printf("\n");

    return 0;
}
```

```c
#include<stdio.h>
#include <math.h>
int main()
{
    float area,volume,r,h;
    int i,flag=0;
    float pi=3.14;
    do
    {
    printf("Enter 1:Cylinder\n2:Cone\n3:sphere\n4:exit\n");
    scanf("%d",&i);
    switch(i)
        {
            case 1:
            printf("enter radius\n");
            scanf("%f",&r);
            printf("enter hieght\n");
            scanf("%f",&h);
            area=(2*pi*r*h)+(2*pi*r*r);
            volume=(pi*r*r*h);
            printf("the area and volume of cylinder is %f and %f\n",area,volume);
            break;
            case 2:
            printf("enter radius\n");
```

main.c ✕

Logs & others

📝 Code::Blocks ✕   🔍 Search results ✕   📝 Cccc ✕   ⚙ Build log ✕   🏴 Build messages ✕   📝 CppCheck/Vera++ ✕   📝 CppCheck/Vera++ messages ✕   📝 Cscope ✕   ⚙ Debugger ✕

```
\command;C:\Users\karthik sai\AppData\Local\Microsoft\WindowsApps
Executing: "C:\Users\karthik sai\Downloads\CodeBlocks/cb_console_runner.exe" "C:\Users\karthik sai\Documents\areaandvolume\bin\Debug\areaandvolume.exe"  (in C:\Users
\karthik sai\Documents\areaandvolume\.)
Process terminated with status -1073741510 (0 minute(s), 13 second(s))
```

```
Enter 1:Cylinder
2:Cone
3:sphere
4:exit
2
enter radius
4
enter hieght
2
the area and volume of cone is 106.410034 and 33.493336
Enter 1:Cylinder
2:Cone
3:sphere
4:exit
```

```c
#include <stdio.h>
int checkPrimeNumber(int n);
int main() {
    int n1, n2, i, flag;
    printf("Enter two positive integers: ");
    scanf("%d %d", &n1, &n2);
    printf("Prime numbers between %d and %d are: ", n1, n2);
    for (i = n1 + 1; i < n2; ++i)
    {
        flag = checkPrimeNumber(i);

        if (flag == 1)
            printf("%d ", i);
    }
    return 0;
}
int checkPrimeNumber(int n)
{
    int j, flag = 1;
    for (j = 2; j <= n / 2; ++j)
    {
        if (n % j == 0)
        {
            flag = 0;
```

```
 7          printf("Prime numbers between %d and %d are: ", n1, n2);
 8          for (i = n1 + 1; i < n2; ++i)
 9          {
10              flag = checkPrimeNumber(i);
11
12              if (flag == 1)
13                  printf("%d ", i);
14          }
15          return 0;
16      }
17      int checkPrimeNumber(int n)
18      {
19          int j, flag = 1;
20          for (j = 2; j <= n / 2; ++j)
21          {
22              if (n % j == 0)
23              {
24                  flag = 0;
25                  break;
26              }
27          }
28          return flag;
29      }
30
```

Logs & others

📝 Code::Blocks ✕   🔍 Search results ✕   📝 Cccc ✕   ⚙️ Build log ✕   🚩 Build messages ✕   📝 CppCheck/Vera++ ✕   📝 CppCheck/Vera++ messages ✕   📝 Cscope ✕   ⚙️ Debugger ✕   📝

```
\command;C:\Users\karthik sai\AppData\Local\Microsoft\WindowsApps
Executing: "C:\Users\karthik sai\Downloads\CodeBlocks/cb_console_runner.exe" "C:\Users\karthik sai\Documents\primenumber\bin\Debug\primenumber.exe"   (in C:\Users
\karthik sai\Documents\primenumber\.)
Process terminated with status -1073741510 (0 minute(s), 19 second(s))
```

input

```
Enter two positive integers: 1 6
Prime numbers between 1 and 6 are: 2 3 5

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