

3) #include <stdio.h>

int main()

{

int a, n;

a=1;

printf("enter number:");

scanf("%d", &n);

for (int i=1; i<=n; i++)

{

for (int j=1; j<=i; j++)

{

printf("%d ", a);

a++;

}

printf("\n");

}

return 0;

}

4) #include <stdio.h>

int main()

{

int CIE, SEE, Total;

printf ("Enter the CIE & SEE marks out of 50");

scanf ("%d %d", &CIE & SEE);

total = CIE + SEE;

~~return total/200;~~

if (total > 90)

{ printf ("The grade is A");

else if (total >= 80 && total <= 90)

{ printf ("The grade is B");

else if (total >= 70 && total <= 80)

{ printf ("The grade is C");

else if (total >= 60 && total <= 70)

{ printf ("The grade is D");

else if (total >= 50 && total <= 60)

{ printf ("The grade is E");

else

{ printf ("Fail");

{ return 0;

8)

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

```
void cylinder()
```

```
{
```

```
float r, h, a, b;
```

```
printf("Enter radius & height");
```

```
scanf("%f %f", &r &h);
```

```
a = (2 * 3.14 * r * h) + (2 * 3.14 * r * r)
```

```
b = 3.14 * r * r * h
```

```
printf("Area = %f", a);
```

```
printf("Volume = %f", b);
```

```
}
```

```
void cone()
```

```
{
```

```
float r, h, c, d;
```

```
printf("Enter the radius & height");
```

```
scanf("%f %f", &r &h);
```

```
a = (3.14 * r) * (r + sqrt(h * h) + (r + h));
```

```
d = 3.14 * r * r * h / 3
```

```
printf("Area = %f", a);
```

```
printf("Volume = %f", d);
```

```
}
```

```
void sphere()
```

```
{
```

```
float r, c, f;
```

```
printf ("Enter the radius");
```

```
scanf ("%f", &r);
```

```
c = 4 * 3.14 * r * r
```

```
f = 4/3 * 3.14 * r * r * r
```

```
printf ("Area = %f", c);
```

```
printf ("Volume = %f", f);
```

```
}
```

```
int main()
```

```
{
```

```
int n, a
```

```
while (a != 1)
```

```
{
```

```
printf ("Enter option 1 for cylinder,  
2 for cone & 3 for sphere);
```

```
scanf ("%d", &n);
```

```
switch (n)
```

```
{
```

```
case 1: cylide();
```

```
break
```


Case 2 : cone ();

break;

Case 3: sphere ();

break

default: printf ("Invalid"),
3

printf ("Enter 1 to continue ; 0 to
exit");

scanf ("%d", &a);

}

return 0;

}

5) #include <stdio.h>

int main()

{

int a, b;

printf("Enter two number:");

scanf("%d %d", &a & b);

int i, j, k;

printf("The prime number b/w %d & %d is:",

a, b);

for (i = a; i <= b; i++)

{

for (j = 2; j <= i/2; j++)

{

if (i % j == 0)

{

k = 0;

break;

}

else

k = 1;

}

if (k == 1)

printf("%d\n", i);

}

return 0;

}