WEEK-2 #include < stdio. h> int n, i, j count = 0;

printf ("Enter the number of rows:");

scanf ("'/.d", & n).

for (i=1; i <= n; i+t) printf ("\n"); for (j=1; j<=i; j++) printf (" 1.d \t", count); return 0;

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#include (stdio.h) void main () int internal-marks, external-marks, x, totalprintf("Enter the CIE and SEE marks

respectively: ");

scanf("1.d.1.d", Linternal-marks, Lexternal-marks. x = (external_marks/2); total-marks= x + internal-marks; if (total_marks < 100 42 total_marks>=90) printf ("Grade is S"); Relse if (total-marks < 90 22 total-marks >= 80) else if (total-marks < 80 & 2 total-marks >= 70) else if (total-marks < 70 &2 total marks >= 60) printf ("Grade is C"); else if (total-marks < 60 & & total-marks>=40) aprintf ("Grade is D"); grintf ("Grade is Fail");

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#Include < stdio. h>
 int main () &
      int low, high, i flag;

printf ("Enter two numbers: ");

Scanf ("1.d.1.d", flow, 8high);

printf ("Prime numbers between 1.d and 1.d

are: ", low, high);

while (low <= high)

Plag = 0:
             flag = 0;
if (low <=1) {
                for (i=2; i <= low/2; i++)
                          (low /· i = = 0) {
                if (flag == 0)

printf("1.d", low).

++low
              return 0;
```

(6) #include (stdio.h) #include < math.h> int main () float r, h, area, volume; int opt; char ch: const float pi = 3.14; printf ("For which shape do you want to calculate Area and Volume: \n"); printf ("In OPTIONS: In 1- Cylinder In 2-Scanf (".1.d", 2 opt); case 1: printf ("In Enter the radius of scanf ("V.f", &r); printf ("In Enter the height of cylinder: ");
scanf ("1. P", & h); area = (2 * pi * x * h) + (2 * pi * x * x); volume = pi x r x r x h;

printf(" In Area: 1.f", area);

printf(" In Volume: 1.f", rolume); case 2: "In Enter the radius of scanf (".1.f", &x);

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printf ("In Finter the height of Cone:");
scanf (".1.f", &h);
    area = pixxxx x (h/3)
   area = pi * x * (x + sgrt ((h * h + x * x)));
    volume = pi * r * r * (h/3);
printf("In Area: 1.f", area);
printf("In Volume: 1.f", volume);
     break;
 case 3:
     printf ("In Enter the radius of Sphere:
      scanf ("1.2" 2x
      area = 4 * pi * r * r;
      volume = (4/3) * pi * r * r * r;
      printf("In Area: . ). f", area);
     printf ("In Volume: 1.f", volume);
     printf ("Enter a valid option!!");
      break;
printf ("In Do you want to repeat the operation YIN: In");
scarf ("1.3", 20h);
while (ch == 'y' 11 ch == 'Y').
```