```
week 2
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Rajeshwali 18m19CSO31

```
#include < St dio. h)
   int main () {
    int rows, i, j, number = 1;
  prints ("Entel the number of roms:");
  scant (" 'f. d", & rows);
  for (i=1; i<= rows; i++){
  for (j=1;j<=i;++j){
print (" / d", number);

+ number;

print (" \n");

return 0;
```

```
# include < Stdio. h
  int main ()
  int cie, see;
 float total;
 prints (" Ente Student marks: ");
  scary (" 1.d1.d", & cie, & see);
 total = (cie) + see/2;
 print (" total = 7..2+ \n", total);
if (total > = 90) {
  prints (" Grade S");
else if ( total > = 80)
  "printe ("Grade A");
else if (total > = 70)
π print ("hrade B");

close if (total >= 60)

ε print ("Grade c");

else if (total >= 50)

else if (total >= 50)
    i paint (" Grade D");
    print ("Grade E");
       printy (" Grade F");
```

Rajeshwale

1BM19C5031

```
Rajeshwari
                                   1BM1905031
# include < stdio. h >
void main ()
 int n1, n2;
prints ("Enter the first number");
scary (" 1.d", &n1);
prints ("Enter the second number");
 scary ("/d", (n2);
print (" The prime numbers are: ");
 for (int i=n1; i <= n2; i++)
  int c=0;
  for Cint j=1; j<=i; j++)
      if (i/, j == 0)
  if (c==2)
peint ("/d", i);
```

```
Rajishwaci
                                     1BM1965031
# include < Stdio. W
# include < math. 4)
# define PI 3.14
int main ()
float vadius, height
float Surface - area, volume;
int option;
while (option! = -1){
print (" == Menu = = \n");
print ("1. A rea of cylinder \n")
prints (" 2. Area of come \n'1).
print (" 3. Area of sephere \n")
prints ("Enter the option from menu C-1 to
scaref (" 1.d", & option);
 if Coption = = 1)
prints (" Enter value for vadius and height of a
 a cytinder: \n');
scanf (" 1.41.1", Aradius, Sheight);
 Butace_area = 2 " (22/7)" radius " (radius + height);
Volume = (22/7) * vadius " radius " height;
Prints [" Surface area of cylinder is: 1.3f \n"; surface area).
Plints ("In Volume of cylinder is: 1.31 \n"; volume);
ele if (option = = 2)
```

printy ("Enter value of radius and height of a cone : \n"); scanf ("/.f.1.f" & radius, Sheight); surface - area = (22/7) radous "(vactores + sqrt (radius * radous + height * height)); volume = (1.0/3)* (22/7) * vadirus * vadorus * height;
pirtly (" surface awa & core is: 1..3f \n") surface - area); print ("In Volume of come is: 1/2.3 fln"; volume); I de if (aption = = 3) { "In Please Enter the radius of a sphere In"); Scarf ("1/- f", & Nadices); surface - assa = 4 " PI " vaduis " vaduis volume = (4.0/3) * PI "vadius" radius" radius; Rintz ("In The Burface area of a sphere = 1.2f In;
surface - area); "In The Volume of a sphere = 7-2fin", Volume).

```
Rajeshwau
                                     1BM1905031
 # include (Stdio. h)
   int main ()
  int n, i, e1=0, e2=0, e3=0, x, p, min, 1=0;
  struct student
  int elec;
  char name l'20];
  3 ar [ 100]
  prints (" Enter the number of the students In");
  scart ("/d", &n)
prints ("choice of elective:\n1-10T, 2-Advanced Java and J2EE, 3-Advanced data skrictures\n")
for Ci=o;i<n;i+t)
points ("enter 1.d students' name and the choice of
 electore In', iti)
Scanf ("1.57.d", ar [i]. name, lou [i]. elec)
 if Car [i]. elec == 1)
 if Las CiJ. elec = = 2)
 if (ax CiJ-ele c==3)
  e3+ +;
4(e1 <=e2 44e1 <=e3)
 min=e1
 if (e2 <= e1 & &e2 <= e3)
  mn = e 2
  if (e3<=e2 tfe3<=e1)
   min = e2;
    it (e3<=e2 44 e3<=e1)
  min = e 3;
Paint (" rute me course number (n')
 scarf (" ./d" 1x)
```

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```
Verill ( Names of students who have opted for 7-d; \n", x)
 for (is o) icn; itt)
 H[arti] edec== 24)
  Paint ("15 In" al Cit. name)
 Prints ("Total no of students in 1st course is /d \n", e 1).

Prints ("Total no of students in 2nd course is /d \n", e 2).
 Print ("Total no of students in 3rd course is 1-d \n" e3).
 14(c1 <3 dd c2)=3 dbe3>=3)
leintz ("Course I will not be flooded, Please Select from the other & courses \n");
    1-1;
  if (c2<38De1>=38$e3>=3)
 Prints ("Course 2 will not be flooded. Please select from the other I courses \n").
     4=1
   it (e3<3 ble 1)=3 ficz>=3)
   Prints ("Course 3 will not be floated. Please select
   from the other 2 courses \n''):
     P = 3;
    if (1==0)
      1 (min = = 01)
```

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hirtell' Please select from course 2 and 3 m'). else if lmin==e2) purity ("Please delect from Course land 3 \n"); else \$ (min == e3) Perity ("Please select from course I and 2 \n") 3 (P==1) fos (i=0; cn; i+t) if (as [i]. elec==1) a différent course. Name: 1.5 m, as [: J-name). sant (" 1-d", las [i]. elec) else if (q=== 2) for (1=0; i<n; i+4) If Cas CiJ. elec == 2) lentz ("Entre a different course. Name: v.s \n", artij. name); scanf ("1.1. d" bas[i]. elec); olse 4(8==3) Scanned with CamScanner

```
if [ar [i]. elec == 3)
 purity ("Enter a different course. Name: 7.8 m", as [i]. name);
  stand ("1.d", las[i]. dec)
Record (" Students in I elective (n');
for (i=0; i<n; i++)
y (as [i]. elecz = 1)
 printy ("1/5/n", arti]. name);
  grintf ( "Students in 2 elective In")
  for (i=0; i<n; i++)
 1/2 (on Ci]. elec==2)
  perof ("1-5/n" ar [i]. name)
peruly ("students in 3 electric \n")
 for (i= o; i<n; i++)
 if Car CiJ-elec == 3)
  perul (" 1-5/n", as [i]. name);
  gustom Di
```