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PROGRAM 3 IN C
#include <stdio.h>
Ent main ()
   printf ("Enter the value for n \n");
  scanf ("% od", &n);
   printf ("The desired output is \n");
  int num = 1;
   for (ent(i=0; i<n; i++)
      printf ("% d", num
```

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PROGRAM -4 IN G
# include <stdio h>
# include < math. h>
int main ()
    Ent c, s; float g, h;
     Printf (" Enter CIE marks \n");
     scanf ("%d" &c);
    printf ("Enter SEB marks In"):
      scanf L" %d", &s);
      if (c <=50 && s <=100)
           h=(8/2);
       9=(c+h);
      ? (g <=100 & & g >= 90)
    printf ("Grade S \n");
  else if (9>=80 & 8 9 < 90);
      printf ("Grade A \n");
   else if (q>= 70 & & g (80)
     prints ( grade B'in);
    else if (q > = 60 & & g < 70)
       printf ("Grade (\n");
```

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ele if (g>=50 & & g<60)
     printf (" Grade D In ");
     else & (9>= 40 & l g < 50)
     print f ("Grade F\n").
     else = ( 9 < 40)
     prints ("Grade Fln").
     return 0;
PROGRAM 5 IN 6
#include <statio.h>
void findling (inta, into)
    int j=2, flag;
  if (a == 1 11 a == 0)
else { for (int i = a+1; i < b; i= i+2)
```

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for (ent ] = 2; ] <= 1/2 ; ++ ])
int maln ()
   int n1 , n2;
   printf ("Enter fist number: ")
Scanf (" "lod", & n1);
    printf ("Enter second number: ")
    xanf ("%d" & n2);
  find Primes (n1, n2);
```

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PROGRAM 6 IN C
#include <stdio.h>
Hindlude < math. h>
int main ()
     Ent a, k float a, h, A, V;
     int x, y=0;
     printf (" Enter the radius and height \n");
    scanf ( "% f "6 f", & a, & h);
    while (y = 4)
     printf ("Area and Volume In Press 1 for Cylinder In
           Press 2 for Cone In Press 3 for Sphere In Press 4 to stop?
    scanf ("90d", 8x);
    if (x==1)
      A=(2* 3:14*1+1)+(2*3.14*1+1);
     printf l"Area of Cylinder = % fln; A);
     V= 3.44 1+ 1+1+ h;
    printf ("Volume of Cylinder = %f \n;", V);
 else if (x==2)
```

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A = 3.4 * 1 * (1+pow ((h*h+x+x), 0.5)).
 print ("Area of Cone = % f hi", A);
 V= (3+4 * L*L*h) /3;
printf ("Volume of cone = 90f \n", V);
else of (n = =3)
   A= 4* 3.14* 1 * 1;
  prentf L"Area of Sphere = Tof In", A).
    V = (4/3) + 3.14 + 2 + 1 + 1
  printf (" Volume of Sphere = "bf \n", V).
else if (n = = 4)
```

```
PROGRAM 7 IN C
# include <stdio.h>
# include < string.h>
struct addrame
  chai name [10];
int main ()
  struct add name are [50];
   int knx, x 1=0, x2=0, x3=03, a [50].
  printf ("Students must fill name and choice of election")
 printfl"Chaice of elective: 1. IoT In 2. Java In 3. DSIn".
 printf("Enter number of students: ");
 scang ("%d", & k);
 Jor (int i=0; i<k; i++)
   printf ("Enter name of student: ");
  scanf l" 1/05", & art[i] · name).
  printf l'Enter your choice: ");
  scanf ( " tod", &n);
  ali]=n;
   2) (a[?] ==1)
   x1++;
```

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? (a[?] ==2)
? a (?) == 3)
 x3++;
printf (" Operation 11");
printf l'Eenter choice for clechive list:");
Scanf l"% d" &n);
for (?=0; ?< k; ?++)
     if (a[?] == 2)
      printf ("%s\n", arr [i] name).
printf ("Operation 2 \n").
別(1 (3)
     printf ("All elective one students choose
             different elective In ").
     for ( Ent i = 0; i( k; i++)
         if a[?] ==1)
```

```
print ("% select elective 2013: ", arr [?] name
 seart (" god", &n);
 a [ ?] =n;
 ?k (n = = 3)
  ? (c==2)
  x2++;
3 (2 < 3)
   22=0:
   printf ("Choose from 1 or 3");
   for (inti=0; ? < K; ?+t)
     ? (a[?)==2)
      E printle ("% s pelect lot 3:", au (i), nane
        scanf ("god", &n);
        a fil = n;
        ? (n==3)
        ×3++;
         16 == =)
         MI tt;
```

```
printf (" Operation 3 In ");
printf l" No of students in IDT: "od", 21);
printf l" No of student in JAVA: "od", 22);
printf l" No of student in DS: "od", 23);
printf l" List of students in ZOT: ");
  for (int 1=0; 1< k; 5++)
             Printf (" List & (a [?] == 1)

Ap printf (" % s \n", aul?]. names;
 printf l' list of students in JAVA: ");

for (int i=0, i < k; i+t)

{ if (a [?] = -2)

printf ("")os \n", are [?]. name);
   printf [" List of Students in DS: ");

for (int i=0; i < k; i++)

2 86 (a[i] = = 3)

printf [" 908 \n", are [i] name );
```