1BM19CS036
Bhavya Sharma

```
printf ("Enter height \n");
Scanf ("%d", &coh);
coa = 3.14 * cor * (cor + sqrt (pow (coh,2)
        + pow (cor, 2)));
printf ("AREA = %f \n", coa);
cov = 3.14 * pow (cor, 2) * coh;
printf ("VOLUME = %f \n", cov);
}
if (choice == 3)
{
printf ("Enter Radius \n");
Scanf ("%d", &sr);
sa = 4 * 3.14 * pow (sr, 2);
printf ("AREA = %f \n", sa);
sv = (4 * 3.14 * pow (sr, 3)) / 3;
printf ("VOLUME = %f \n", sv);
}
printf ("Enter 1 to continue or 0 to exit
Scanf ("%d", &cont);
if (cont == 1)
continue;
else
break;
}
return 0;
}
```

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Program 7

```
# include <stdio.h>
 char name [50];
 void read ()
 {
printf ("Enter name of student \n");
 Scanf ("%s", name);
 }
 int main ()
 {
 char ch = 'y';
 int c.IOT = 0;
int c. advance d.java = 0;
int c. advance. data structure = 0;
int choice;
printf ("1. Internet of Things \n 2. Advance
    Java And J2EE \n 3. Advanced Data Structure
                                  \n");
while (ch == 'y')
{
printf (" Enter choice \n");
Scanf ("%d", & choice);
Switch (choice)
{
case 1:
read ();
printf ("Name of Student applied for IOT is
    %s \n", name);
C.IOT ++;
break;
Case 2:
read ();
```

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Program 7

```
#include <stdio.h>
char name [50];
int choice;
int c_IOT = 0;
int c-advanced_and-j2 = 0;
int c-advanced-data-structures = 0;
void read()
{
printf ("Enter the name of student \n");
scanf ("%s", name);
}
int main()
{
char ch = 'y';
printf ("1: Internet of Things \n 2: Advanced Java
and J2EE \n 3: Advanced data structure \n");

while ( ch == 'y')
{
printf ("Enter choice \n");
scanf ("%d", &choice);
read:
switch (choice)
{
case 1:
read();
printf ("Name of students applied for IOT is
%s \n", name);
c-IOT ++;
break;
```

```
case 2:
read ();
printf (" Name of Student applied for
        Advance Java & J2EE is %s \n ", name);
c_advanced_and_J2 ++;
  break;

Case 3:
read ();
printf (" Name of Student applied for
  Advance data Structure %s \n ", name);
  c_advanced_data_Structure ++;
  break;
}
printf (" Enter y to continue \n ");
printf (" Enter n to break \n ");
scanf (" %c ", & ch);
if ( ch == 'y')
{
continue;
}
else
{
  break;
}
}
if (c_IOT >= 30)
{
printf(" This Course cannot be floated \n
        please select other option ");
printf (" 2: Advanced Java and J2EE \n
        3: Advanced Data Structure \n ");
```

```
scanf("%d", &choice);
goto read;
}

if (c_advanced_Java_and_J2EE >= 30)
printf("No of Students applied for advanced
        java and J2EE is %d\n", c_advanced_and_J2);
else
printf("This course cannot be floated please
        select other option");
~~printf("~~
scanf("%d", &choice);
goto read;
}

if (c_Advanced_Data_Structure >= 30)
printf("No of Students applied for advance
        data structure is %d\n", c_adv_data_
                                Structures);
else
printf("This course cannot be floated
        please select other option");
scanf("%d", &choice);
goto read;
}
}
```