ASSIGNMENT

1. Write a program to accept a point in Cartesian co-ordinate system and decide the quadrant in which the point lies. Also check for special cases point lies on *± x axis, ± y axis, and origin*

2. Write a program to display number of days in the given month and year using switch case statement.

3. Write a program to accept Employee Id , Department No, Designation from user and display output with reference to following tables.(Use switch case)

DeptNo	Dept Name	DsgnCode	Designation
10	Marketing	'M'	Manager
20	Management	'S'	Supervisor
30	Sales	's'	Security Officer
40	Designing	'C'	Clerk

Example:

    If input given is

    Employee Id   : 101

    Dept No   : 30

    Designation Code   : M

    Then output should be:

    Employee with employee id 101 is working in "Sales" department as "Manager".

TWISTERS

```c
1. #include <stdio.h>
int main(void)
{
    int i=1,j=2;
    switch(i)
    {
        default: printf("Sunbeam Pune");break;
        case 1+1-1: printf("Sunbeam Karad ");
        case 'j': printf("Sunbeam Market yard"); break;
    }
    return 0;
}
```

A. Sunbeam Pune
B. Sunbeam Karad
C. Sunbeam KaradSunbeam Market yard
D. Compiler time error
E. Run time error

Answer: C

2. #include <stdio.h>
int main(void)
{
    int k=1;
    switch(k++)
    {
        default : printf("0");
        case 1: case 2:printf("2");
        case 3*0: printf("1");
    }
    return 0;
}

A. 12
B. Compiler error
C. runtime error
D. 21

Answer: D

3. #include <stdio.h>
int main(void)
{
int itr=0;
for(;itr++<0;printf("%d",itr)) ;
printf("%d",itr);
return 0;
}

A. 0
B. 1
C. Nothing
D. None of the above
Answer: B

4.
```c
#include <stdio.h>
int main(void)
{
     int i=1;
     here:
          i=010;
     while (i<=5)
     {
          printf("%d",i);
          if (i>2)
          goto here;
          i++;
     } printf("sunbeam");
return 0;
}
```

A. 12345
B. 123sunbeam
C. 123sunbeam45
D. sunbeam

Answer: D