**Assignment – 1 A Job Ready Bootcamp in C++, DSA and IOT MySirG**

**Input and output in C Language**

1. Write a program to print Hello Students on the screen.

Sol - 1.

#include<stdio.h>

#include<conio.h>

int main()

{

printf("Hello Students");

getch();

return 0;

}

1. Write a program to print Hello in the first line and Students in the second line.

Sol – 2.

#include<stdio.h>

#include<conio.h>

int main()

{

printf("Hello\nStudents");

getch();

return 0;

}

1. Write a program to print “MySirG” on the screen. (Remember to print in double quotes)

Sol – 3.

#include<stdio.h>

#include<conio.h>

int main()

{

printf("\"MySirG\"");

getch();

return 0;

}

4. WAP to find the area of the circle. Take radius of circle from user as input and print the

result in below given format.

Expected output format – “Area of circle is A having the radius R”. Replace A with area

& R with radius.

Sol – 4.

#include<stdio.h>

#include<conio.h>

int main()

{

float a,r;

printf("Enter the radius of circle : ");

scanf("%f",&r);

a=3.141592653589793238\*r\*r;

printf("Area of circle is %f having the radius %f",a,r);

getch();

return 0;

}

5. WAP to calculate the length of String using printf function.

Sol – 5.

#include<stdio.h>

#include<conio.h>

int main()

{

char a[20];

int i;

printf("Enter a string : ");

gets(a);

for(i=0;a[i]!='\0';i++);

printf("Length of string is : %d",i);

getch();

return 0;

}

6. WAP to print the name of the user in double quotes.

Expected output format – “Hello , Amit Kumar”

Sol – 6.

#include<stdio.h>

#include<conio.h>

int main()

{

char a[20];

printf("Enter your name : ");

gets(a);

printf("\"Hello , %s\"",a);

getch();

return 0;

}

7. WAP to print “%d” on the screen.

Sol – 7.

#include<stdio.h>

#include<conio.h>

int main()

{

printf("%%d");

getch();

return 0;

}

8. WAP to print “\n” on the screen.

Sol – 8.

#include<stdio.h>

#include<conio.h>

int main()

{

printf("\\n");

getch();

return 0;

}

9. WAP to print “\\” on the screen.

Sol – 9.

#include<stdio.h>

#include<conio.h>

int main()

{

printf("\\\\");

getch();

return 0;

}

10. WAP to take date as an input in below given format and convert the date format and

display the result as given below.

User Input date format – “DD/MM/YYYY” (27/11/2022)

Output format –

“Day – DD , Month – MM , Year – YYYY” (Day – 27 ,Month – 07 , Year – 2022)

Sol – 10.

#include<stdio.h>

#include<conio.h>

int main()

{

int d,m,y;

printf("Enter DD/MM/YYYY : ");

scanf("%d/%d/%d",&d,&m,&y);

printf("Day - %d , Month - %d , Year - %d",d,m,y);

getch();

return 0;

}

11. WAP to take time as an input in below given format and convert the time format and

display the result as given below.

User Input date format – “HH:MM”

Output format – “HH hour and MM Minute”

Example –

“11:25” converted to “11 Hour and 25 Minute”

Sol – 11.

#include<stdio.h>

#include<conio.h>

int main()

{

int h,m;

printf("Enter HH:MM : ");

scanf("%d:%d",&h,&m);

printf("%d Hour and %d Minute",h,m);

getch();

return 0;

}

12. Find output of below code:

int main()

{

int x = printf(“ineuron”);

printf(“%d”,x);

return 0;

Sol – 12.

ineuron7 (ineuron with no. of letters in ineuron i.e. 7)