**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**.

#include <stdio.h>

int main()

{

printf("Hello");

return 0;

}

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

#include <stdio.h>

int main()

{

printf("Hello\nStudents");

return 0;

}

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

#include <stdio.h>

int main()

{

printf("\"MySirG\"");

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.

#include <stdio.h>

int main()

{

int r;

float area;

printf("Enter radius of circle: ");

scanf("%d", &r);

area = 3.14 \* r \* r;

printf("Area of circle is %.2f having the radius %d.", area, r);

return 0;

}

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

#include <stdio.h>

#include <string.h>

int main()

{

int length;

length = printf("Learning Cpp from MySirG");

printf(" = %d\n", length);

return 0;

}

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

#include <stdio.h>

int main()

{

printf("\"Hello , Amit Kumar\"");

return 0;

}

**7. WAP to print “%d” on the screen.**

#include <stdio.h>

int main()

{

char ch1 = '%';

char ch2 = 'd';

printf("%c%c", ch1,ch2);

return 0;

}

**8. WAP to print “\n” on the screen.**

#include <stdio.h>

int main()

{

printf("\\n");

return 0;

}

**9. WAP to print “\\” on the screen.**

#include <stdio.h>

int main()

{

printf("\\\\");

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)

#include <stdio.h>

*int* main()

{

*int* d, m, y;

    scanf("%d/%d/%d", &d, &m, &y);

    printf("Day=%d, Month=0%d, Year=%d", d, m, y);

    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”

#include <stdio.h>

*int* main()

{

*int* h, m;

    scanf("%d:%d", &h, &m);

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

    return 0;

}

**12. Find output of below code:**

***int main()***

***{***

**int x = printf(“ineuron”);**

**printf(“%d”,x);**

**return 0;**

***}***

Ans : ineuron 7