Assignment - 1 A Job Ready Bootcamp in C++, DSA and IOT

Input and output in C Language

Name: Tushar Maliye Date:10/12/2022

User id: [tusharmaliye59@gmail.com](mailto:tusharmaliye59@gmail.com)

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

#include<stdio.h>

int main(){

printf("Hello Students");

return 0;

}

--------------------------------------------------------------

Output:

Hello Students

--------------------------------

Process exited after 0.03368 seconds with return value 0

Press any key to continue . . .

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

Program

#include<stdio.h>

int main(){

printf("Hello \nStudents");

return 0;

}

-----------------------------------------------------

Output:

Hello

Students

--------------------------------

Process exited after 0.02532 seconds with return value 0

Press any key to continue . . .

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

Program:

#include<stdio.h>

int main(){

printf(" \"MySirG\"");

return 0;

}

-------------------------------------------------------------------

Output:

"MySirG"

--------------------------------

Process exited after 0.02183 seconds with return value 0

Press any key to continue . . .

1. 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.

Program:

#include<stdio.h>

int main(){

int r, A;

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

scanf("%d",&r);

A=3.1415\*r\*r;

printf("Area of circle is %d sqcm having the radius %d cm.",A,r);

return 0;

}

Output:

Enter the radius of circle in cm:50

Area of circle is 7853 sqcm having the radius 50 cm.

--------------------------------

Process exited after 11.36 seconds with return value 0

Press any key to continue . . .

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

Program:

#include<stdio.h>

#include<string.h>

int main(){

char name[50];

printf("Enter your name: ");

gets(name);

printf("Hello,%s",name);

}

--------------------------------------------------

Output:

Enter your name: AMit Kumar

Hello,AMit Kumar

--------------------------------

Process exited after 6.648 seconds with return value 0

Press any key to continue . . .

1. WAP to print “%d” on the screen.

Program:

#include<stdio.h>

int main(){

printf("%%d");

}

--------------------------------

Output:

%d

--------------------------------

Process exited after 0.02902 seconds with return value 0

Press any key to continue . . .

1. WAP to print “\n” on the screen.

Program:

---------------------------------

#include<stdio.h>

int main(){

printf("\\n");

return 0;

}

-----------------------------

Output:

\n

--------------------------------

Process exited after 0.05137 seconds with return value 0

Press any key to continue . . .

1. WAP to print “\\” on the screen.

Program:

#include<stdio.h>

int main(){

printf("\\");

printf("\\");

return 0;

}

Output:

\\

--------------------------------

Process exited after 0.0257 seconds with return value 0

Press any key to continue . . .

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)

Program:

#include<stdio.h>

int main(){

int day,month,year;

printf("Enter the date:");

scanf("%d/%d/%d",&day,&month,&year);

printf("Day-%d, Month-%d, Year-%d",day,month,year);

return 0;

}

Output:

Enter the date:27/11/2022

Day-27, Month-11, Year-2022

--------------------------------

Process exited after 15.48 seconds with return value 0

Press any key to continue . . .

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”

Program:

#include<stdio.h>

int main(){

int hour,min;

printf("HH:MM=");

scanf("%d:%d",&hour,&min);

printf("\"%d:%d\"converted to \"%d Hour and %d Minute\"",hour,min,hour,min);

return 0;

}

-----------------------------------------

Output:

HH:MM=12:25

"12:25"converted to "12 Hour and 25 Minute"

--------------------------------

Process exited after 4.816 seconds with return value 0

Press any key to continue . . .

12. Find output of below code:

int main()

{

int x = printf(“ineuron”);

printf(“%d”,x);

return 0;

}

Ans:

Output: error

--------------------------------------------------------------------------------------------thank you.