**Assignment - 1 Solution Name - Om Pant**

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

// Program To Print Hello Students on the screen

#include<stdio.h>

int main(){

printf("Hello Students");

return 0;

}

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

// Program To Print Hello Students on the screen in different lines

#include<stdio.h>

int main(){

printf("Hello\nStudents");

return 0;

}

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

// Program To Print "ineuron" on the screen

#include<stdio.h>

int main(){

printf("\"iNeuron\"");

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.

// Program To print area of the circle

#include<stdio.h>

int main(){

float rad;

double pi = 3.141592653589793238, area;

printf("Enter the radius of circle\n");

scanf("%f", &rad);

area = pi \* (rad\*rad);

printf("Area of circle is %.3lf having the radius %.2f.", area,rad);

return 0;

}

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

// Program to find the length of string using printf function

#include<stdio.h>

int main(){

int x;

// Enter the string inside this printf to find the length of it.

x = printf("Hello");

printf("\nLength is %d", x);

return 0;

}

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

Expected output format – “Hello , Amit Kumar”

// program 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.

// program to print %d on screen

#include<stdio.h>

int main(){

printf("%%d");

return 0;

}

8. WAP to print “\n” on the screen.

// program to print “\n” on the screen.

#include<stdio.h>

int main(){

printf("\\n");

return 0;

}

9. WAP to print “\\” on the screen.

// program 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 day,month,year;

printf("Enter Date\n");

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

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

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 hour,minutes;

printf("Enter Time\n");

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

printf("%d Hour and %d Minute", hour,minutes);

return 0;

}

12. Find output of below code:

*int main()*

*{*

*int x = printf(“ineuron”);*

*printf(“%d”,x);*

*return0;*

*}*

*Ans -*

*It will throw warnings 1) implicit declaration of function 'printf'*

*2) error: 'return0' undeclared*

*If the return0 is written like this -> return 0; then it will only show the warning and*

*Shows in output the length of given “ineuron” string*

*By including the header file like this #include<stdio.h> at the top it will not throw any warning*