Assignment 1

Input and output

#include<stdio.h>

#include<stdlib.h>

#include<string.h>

int main(){

//Q Write a program to print Mello Students on the screen,

printf("Hello Students");

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

printf("\nHello\n");

printf("Students\n");

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

printf("\"MySir\"");

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

double radius, area;

printf("\n\nEnter the radius of the circle: ");

scanf("%lf", &radius);

area = 3.14159265359 \* radius \* radius;

printf("Area of circle is %.2lf having the radius %.2lf\n\n", area, radius);

//Q WAP to calculate the length of String using printf function.

char str[100];

printf("Enter a string: ");

scanf("%s", str);

int length = printf("%s", str);

printf("\nLength of the string is %d\n\n", length);

//Q WAP to print the name of the user in double quotes.

char name[100];

printf("Enter your name: ");

scanf("%s", name);

printf("\"%s\"\n\n", name);

//Q WAP to print “%d” on the screen.

printf("%%d\n");

//Q WAP to print “\n" on the screen.

printf("\\n\n");

//Q WAP to print “\\" on the screen.

printf("\\\\\n");

//Q WAP to take date as an input in below given format and convert the date format and display the result

int day, month, year;

char input[12];

printf("\nEnter date in format DD/MM/YYYY: ");

scanf("%s",&input);

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

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

//Q WAP to take time as an input in below given format and convert the time format and display the result

int hour, minute;

printf("\nEnter the time in the format 'HHMM' (e.g., 1125): ");

scanf("%2d%2d", &hour, &minute);

printf("%d Hour and %d Minute\n\n", hour, minute);

//Q Find output of below code:

int x = printf("ineuron");

printf("%d",x);

//This code will print "ineuron6" because the printf function returns the number of characters printed, which is 7 for "ineuron" (including the null terminator), and the second printf prints the value of x, which is 7

}

