

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);
```

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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("\nDay-%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): ");

```

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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
}

```

```

Hello Students

```

```

Hello

```

```

Students

```

```

"MySir"

```

```

Enter the radius of the circle: 7

```

```

Area of circle is 153.94 having the radius 7.00

```

```

Enter a string: hellosing

```

```

hellosing

```

```

Length of the string is 9

```

```

Enter your name: firozuddin

```

```

"firozuddin"

```

```

%d

```

```

\n

```

```

\\

```

```

Enter date in format DD/MM/YYYY: 09/11/2023

```

```

"Day-9, Month-11, Year-2023"

```

```

Enter the time in the format 'HHMM' (e.g., 1125): 0911

```

```

9 Hour and 11 Minute

```

```

ineuron7

```