

# Experiment 1 : Installation, Environment Setup and Starting with C language.

1. Write a C program to print "Hello World".

Code :

```
#include <stdio.h>
int main () {
    printf ("Hello World");
    return 0;
}
```

Output: Hello world

```
C hello.c > main()
1 //write a c program to print "hello world"
2 #include<stdio.h>
3 int main(){
4 printf("Hello world");
5
6 return 0;
7 }
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

```
PS C:\Users\ACER\Desktop\c prog> gcc hello.c
PS C:\Users\ACER\Desktop\c prog> ./a.exe
Hello world
PS C:\Users\ACER\Desktop\c prog>
```

Output: Hello world

2. Write a C program to print the address in multiple lines  
(newline)

Code: #include <stdio.h>

int main () {

printf ("Plot 5 THDC COLONY ! \n");

printf ("Dehrakhas Dehradun ! \n");

}

Output: Plot 5 THDC COLONY

Dehrakhas Dehradun

TEACHER'S SIGNATURE \_\_\_\_\_

```
1 #include<stdio.h>
2
3 int main(){
4     printf("Plot 5 THDC COLONY !\n");
5     printf("Dehrakhas dehradun !\n");
6
7
8 }
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    **TERMINAL**    PORTS

```
PS C:\Users\ACER\Desktop\c prog> gcc address.c
PS C:\Users\ACER\Desktop\c prog> ./a.exe
Plot 5 THDC COLONY !
Dehrakhas dehradun !
PS C:\Users\ACER\Desktop\c prog>
```

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3. Write a program that prompts the user to enter their name and age.

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Code

```
#include <stdio.h>
int main() {
    int Name, Age;
    printf("Enter Name : ");
    scanf("My Name is %s", Name);
    printf("Enter Age : ");
    scanf("I am %d years old", Age);
    return 0;
}
```

Output

```
Enter Name : Vaishnavi
Enter Age : 17
```

My Name is Vaishnavi.  
My I am 17 years old.

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### C nameage.c > main()

```
1 //wap that prompts the user to enter their name and age
2 #include <stdio.h>
3 int main(){
4     int Name,Age;
5     printf("Enter Name :");
6     scanf("My Name is %s",Name);
7
8     printf("Enter age :");
9     scanf("I am %d years old ", Age);
10
11    return 0;
12 }
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    **TERMINAL**    PORTS

PS C:\Users\ACER\Desktop\c prog> gcc nameage.c

PS C:\Users\ACER\Desktop\c prog> ./a.exe

Enter Name :vaishanvi

Enter age :

PS C:\Users\ACER\Desktop\c prog> 16

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PS C:\Users\ACER\Desktop\c prog>

4. Write a C program to add numbers, take numbers from users.

Code

```
#include <stdio.h>
int main() {
    int a, b;

    printf("Enter a:\n");
    scanf("%d", &a);

    printf("Enter b : \n");
    scanf("%d", &b);

    int sum = a + b;
    printf("The sum of the numbers are %d\n", sum);

    return 0;
}
```

Output

Enter a : 5  
Enter b : 7

The sum of the numbers are 12.

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```
1 #include <stdio.h>
2
3 int main() {
4     int a,b;
5
6     printf("Enter a\n");
7     scanf("%d", &a);
8
9     printf("Enter b :\n");
10    scanf("%d", &b);
11
12    int sum = a + b;
13    printf("The sum of the numbers are %d\n", sum);
14
15    return 0;
16 }
17
18
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS C:\Users\ACER\Desktop\c prog> gcc sum.c  
PS C:\Users\ACER\Desktop\c prog> ./a.exe

Enter a

9

Enter b :

8

The sum of the numbers are 17

PS C:\Users\ACER\Desktop\c prog>