

EXPERIMENT-1

(INSTALLATION, ENVIRONMENT SETUP AND STARTING WITH C LANGUAGE)

QUESTION-1: Write a C program to print “Hello World”.

CODE:

//WRITE A C PROGRAM TO PRINT HELLO WORLD

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

OUTPUT:

Hello World

QUESTION-2: Write a C program to print the address in multiple lines

CODE:

//WRITE A C PROGRAM TO PRINT THE ADDRESS IN MULTIPLE LINES (new line)

```
#include <stdio.h>
int main ()
{
printf("Anshansi Pandey's address:\n");
printf("F-Block,Bidholi girls hostel\n");
printf("Dehradun, Uttarakhand\n");
printf("Pincode-248007\n");
return 0;
}
```

OUTPUT:

Anshanshi Pandey's address:

F-Block,Bidholi girls hostel

Dehradun,Uttarakhand

Pincode-248007

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

CODE:

//WRITE A PROGRAM THAT PROMPTS THE USER TO ENTER THEIR NAME AND AGE,

```
#include <stdio.h>
int main()
{
    int age;
    char name[40];//array to store name
    printf("Enter your name: ");
    scanf("%s", name);//only one word is allowed
    printf("Enter your age: ");
    scanf("%d", &age);
    printf("Name of user is %s and age is %d", name, age);
    return 0;
}
```

OUTPUT:

Enter your name: Anshanshi

Enter your age: 18

Name of user is Anshanshi and age is 18

[Note: & is not used here in array because array itself represents address also only one word is allowed here because scanf stops reading when whitespace is found]

QUESTION-4: Write a C program to add two numbers, take number from user.

CODE:

//WRITE A C PROGRAM TO ADD TWO NUMBERS, TAKE NUMBER FROM USER.

```
#include <stdio.h>
int main()
{
int num1,num2,sum;//declaration
printf("Enter first number: ");
scanf("%d", &num1);
printf("Enter second number: ");
scanf("%d", &num2);
sum=num1+num2;
printf("Sum of two number= %d", sum);//displaying output
return 0;
}
```

OUTPUT 1:

Enter first number: 18

Enter second number: 1

Sum of two number= 19

OUTPUT 2:

Enter first number: 2147483649

Enter second number: 2147483649

Sum of two number= 2 [NOTE: THE VALUE OF INT IS EXCEEDING ITS RANGE]