PRACTICAL FILE

OF

PROGRAMMING IN C

COURSE CODE-CSEG1041

SCHOOL OF COMPUTER SCIENCE

SUBMITTED BY:

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SEMSTER:01
BATCH=01

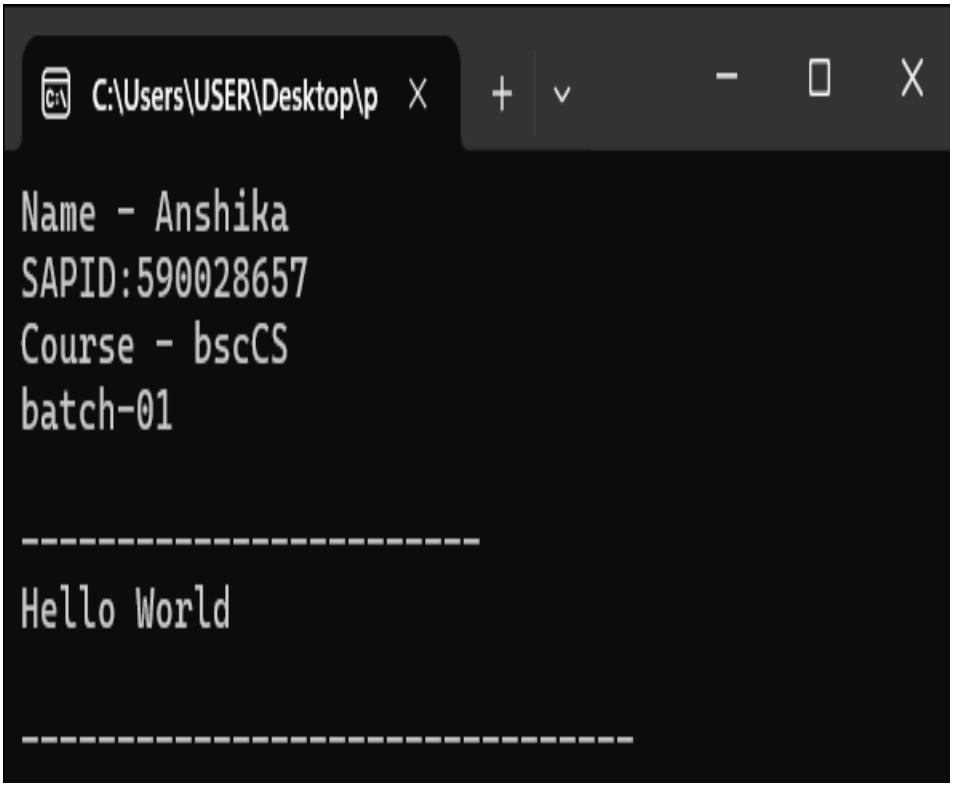
SUBMITTED TO:

ACADEMIC YEAR=2025-2026

//Experiment 1: Installation, Environment Setup and starting with C language

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

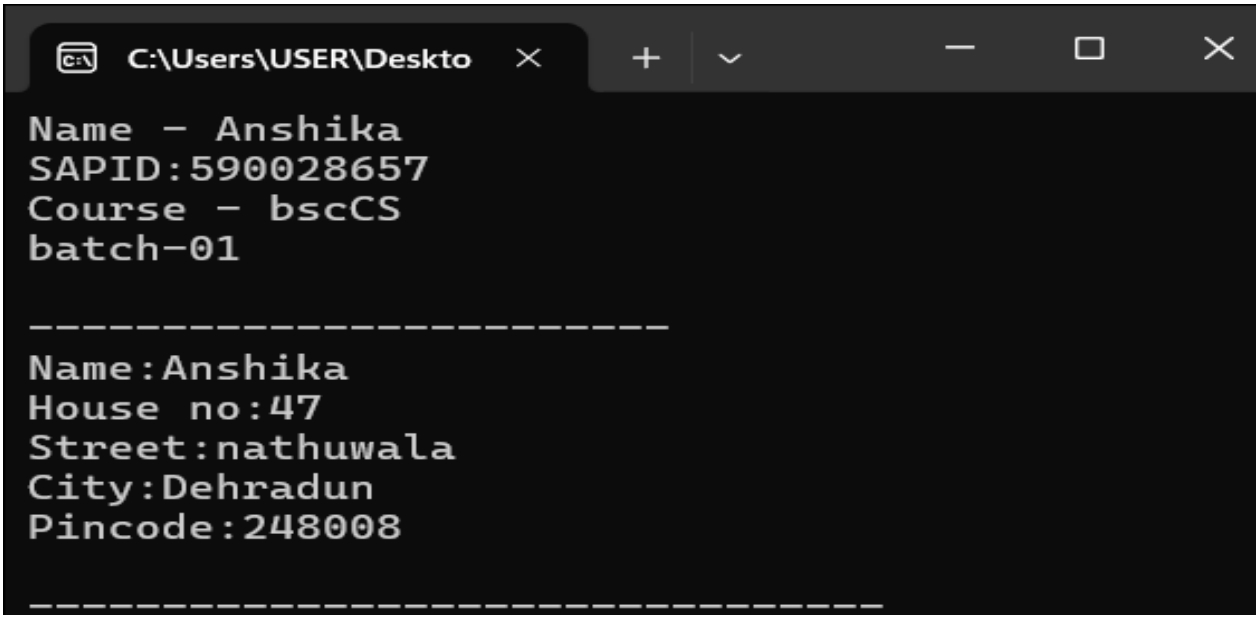
```
#include <stdio.h>
int main()
{
printf("Name - Anshika\n");
        printf("SAP ID:590028657\n");
        printf("Course - bscCS\n");
        printf("batch-01\n");
        printf("\n-----------------------\n");
        printf("Hello World\n");
        return 0;
}
```



2. Write a C Program to print the address in multiple lines (new line).

```
printf("Name of the student - Anshika\n");
        printf("SAPID:590028657\n");
        printf("Course - bscCS\n");
        printf("batch-01\n");
        printf("\n-----------------------\n");
printf("Name:Anshika\n");
        printf("House no:47\n");
        printf("Street:nathuwala\n");
        printf("City:Dehradun\n");
        printf("Pincode:248008\n");
        return 0;
}
```

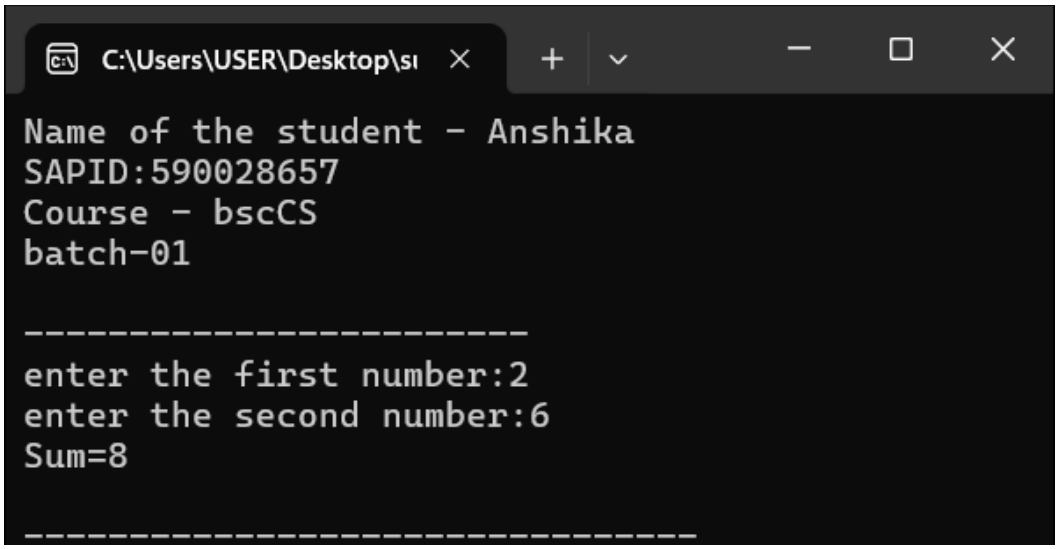
OUTPUT:



3. Write a C program to add two numbers and take a number from the user.

```
#include <stdio.h>
int main(){int n1,n2,n3;
        printf("Name of the student - Anshika\n");
        printf("SAPID:590028657\n");
        printf("Course - bscCS\n");
        printf("batch-01\n");
        printf("\n-----------------------\n");
        printf("enter the first number:");
        scanf("%d",&n1);
        printf("enter the second number:");
        scanf("%d",&n2);
        n3=n1+n2;
        printf("Sum=%d\n",n3);
        return 0;
```

Output:



4. Write a C program to perform four arithmetic operations on two variables.

```
#include <stdio.h>
int main() {
    int a, b;
    int sum, diff, prod;
    float div;
    printf("Name of the student - Anshika\n");
       printf("SAPID:590028657\n");
       printf("Course - bscCS\n");
       printf("batch-01\n");
       printf("\n-----------------------\n");
printf("Enter first number: ");
    scanf("%d", &a);
printf("Enter second number: ");
    scanf("%d", &b);
sum = a + b;
    diff = a - b;
    prod = a * b;
    div = (float)a / b;   // typecasting to get decimal value
printf("Addition = %d\n", sum);
    printf("Subtraction = %d\n", diff);
```

```
    printf("Multiplication = %d\n", prod);
    printf("Division = %.2f\n", div);
    return 0;
}
```

Output: