



PRACTICAL FILE
OF
PROGRAMMING IN C
COURSE CODE-CSEG1041
SCHOOL OF COMPUTER SCIENCE

SUBMITTED BY:

NAME: ANSHIKA

SAP ID:590028657

COURSE: BSC CS

SEMSTER:01

BATCH=01

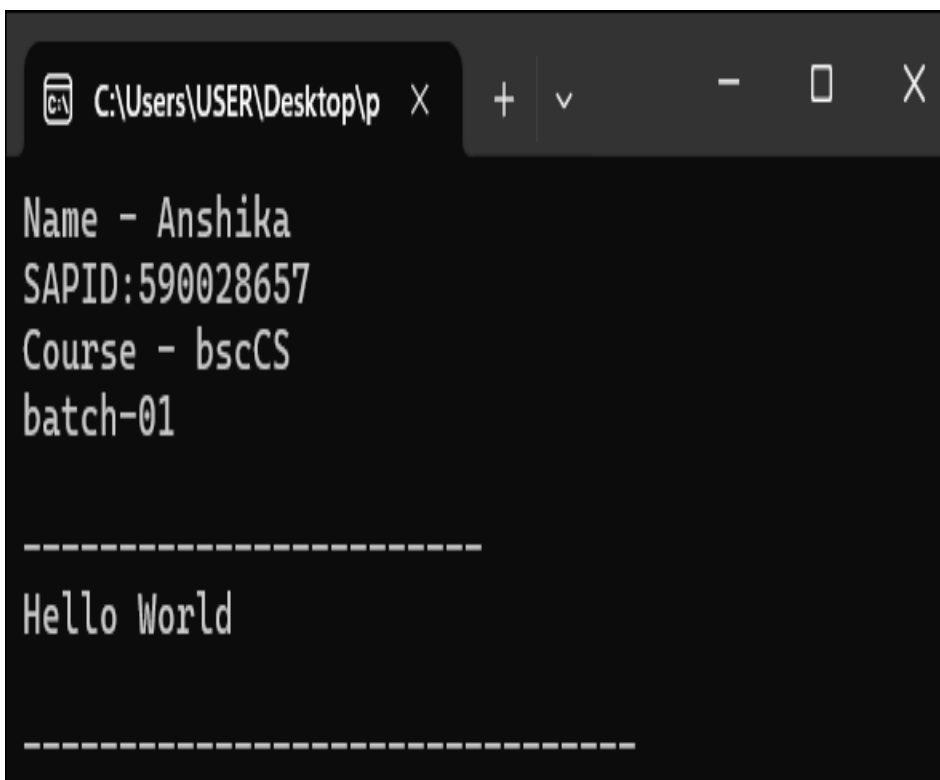
ACADEMIC YEAR=2025-2026

SUBMITTED TO:

//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;
}
```

A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\USER\Desktop\p' and standard window controls. The command prompt displays the output of a C program: 'Name - Anshika', 'SAPID:590028657', 'Course - bscCS', 'batch-01', followed by a blank line and a line of dashes, then 'Hello World', and another line of dashes at the bottom.

```
C:\Users\USER\Desktop\p X + v - □ X
Name - Anshika
SAPID:590028657
Course - bscCS
batch-01

-----
Hello World
-----
```

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:



```
C:\Users\USER\Desktop  
Name - Anshika  
SAPID:590028657  
Course - bscCS  
batch-01  
-----  
Name:Anshika  
House no:47  
Street:nathuwala  
City:Dehradun  
Pincode:248008  
-----
```

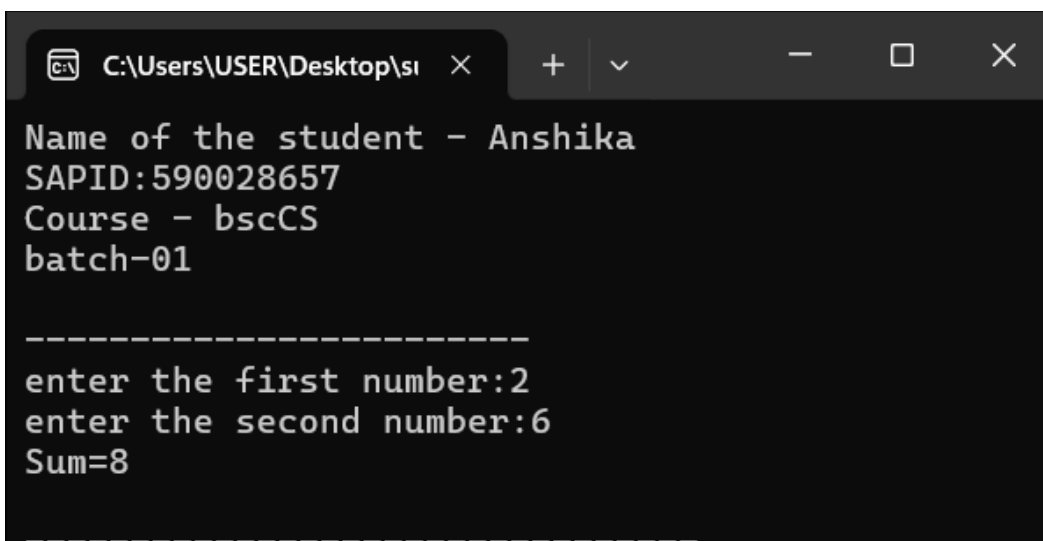
3. Write a C program to add two numbers and take a number from the user.

```
#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:



```
C:\Users\USER\Desktop\si × + ▾ - □ ×

Name of the student - Anshika
SAPID:590028657
Course - bscCS
batch-01

-----
enter the first number:2
enter the second number:6
Sum=8

-----
```

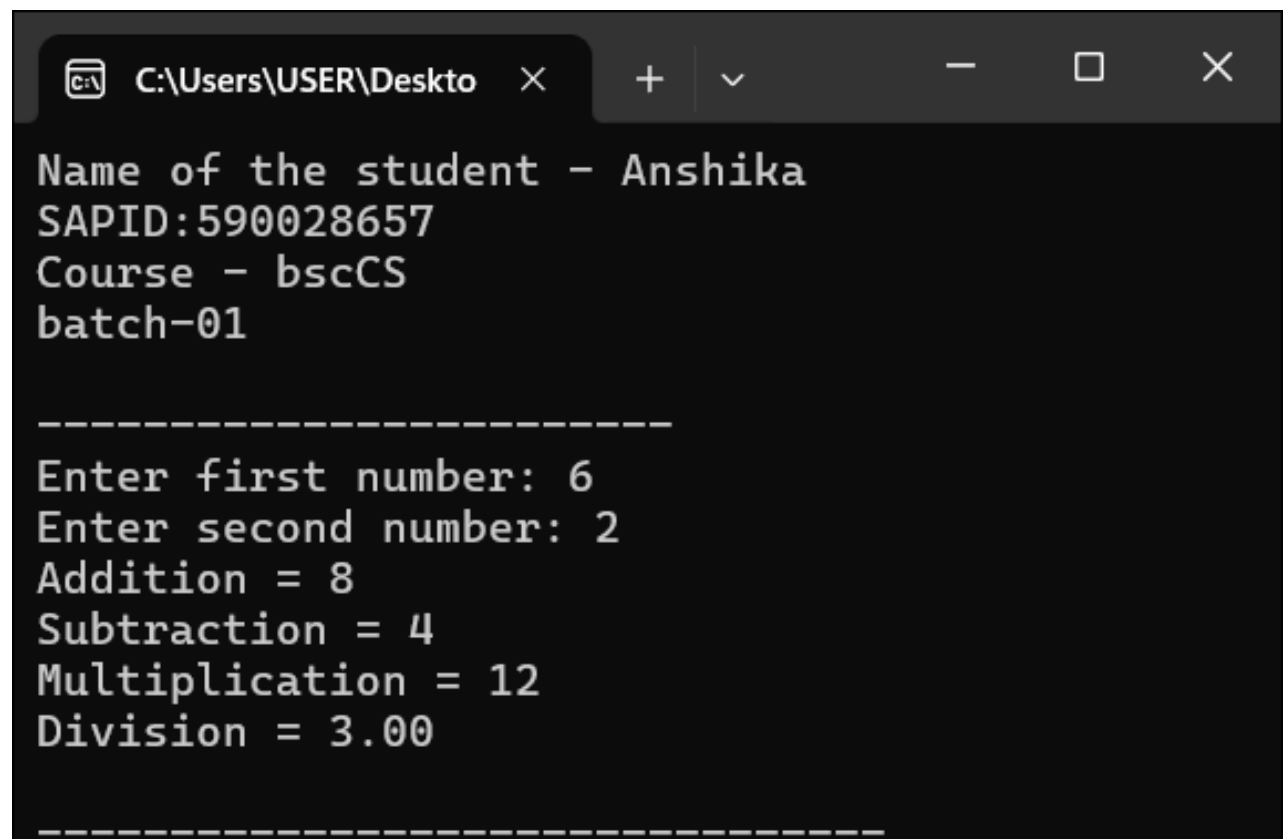
4. Write a C program to perform four arithmetic operations on two variables.

```
#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:



A screenshot of a Windows command prompt window. The title bar shows the file path 'C:\Users\USER\Desktop' and standard window controls. The output of the program is displayed in a monospaced font. It starts with student information, followed by a separator line, then prompts for two numbers and displays the results of addition, subtraction, multiplication, and division. Another separator line is at the bottom.

```
C:\Users\USER\Desktop > .\program.exe  
Name of the student - Anshika  
SAPID:590028657  
Course - bscCS  
batch-01  
  
-----  
Enter first number: 6  
Enter second number: 2  
Addition = 8  
Subtraction = 4  
Multiplication = 12  
Division = 3.00  
  
-----
```

