

# A and B of C

1. Write a program to add two numbers (integers).

```
#include <stdio.h>

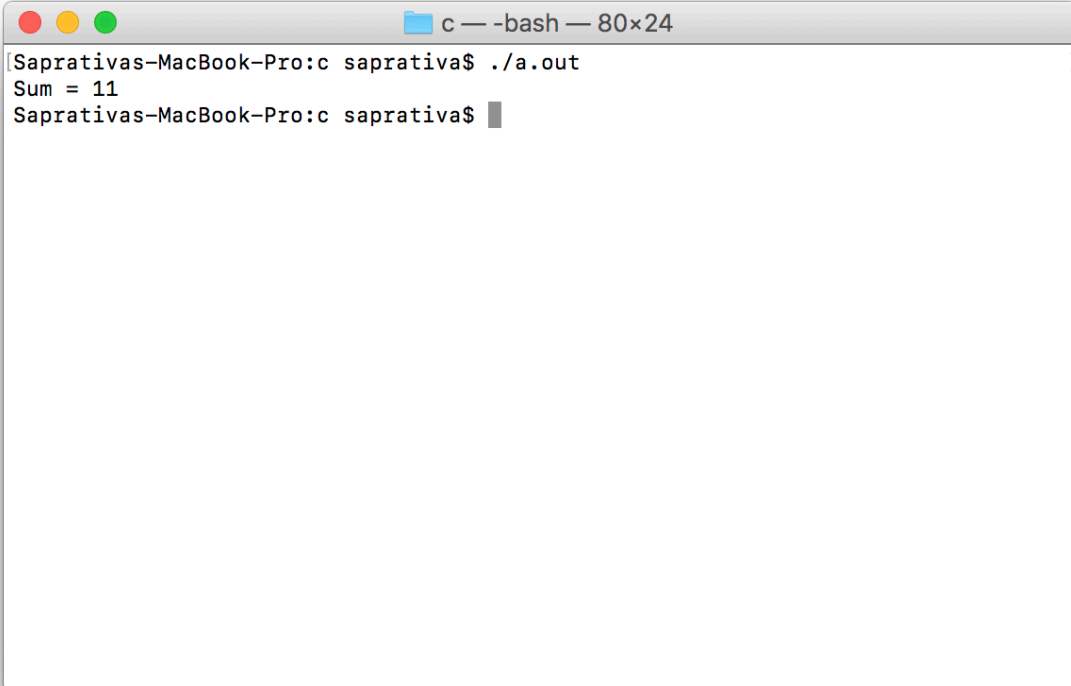
int main()
{
    int a,b,c;

    a = 5;
    b = 6;

    c = a + b;

    printf("Sum = %d\n", c);

    return 0;
}
```

A screenshot of a macOS terminal window. The title bar shows a folder icon, the text 'c', and '-bash — 80x24'. The terminal content shows the command 'Saprativas-MacBook-Pro:c saprativa\$ ./a.out' being executed, followed by the output 'Sum = 11'. The prompt 'Saprativas-MacBook-Pro:c saprativa\$' is shown again with a cursor.

```
c — -bash — 80x24
Saprativas-MacBook-Pro:c saprativa$ ./a.out
Sum = 11
Saprativas-MacBook-Pro:c saprativa$
```

2. Write a program to add two numbers (integers) taken as input from the user.

```
#include <stdio.h>

int main()
{
    int a,b,c;

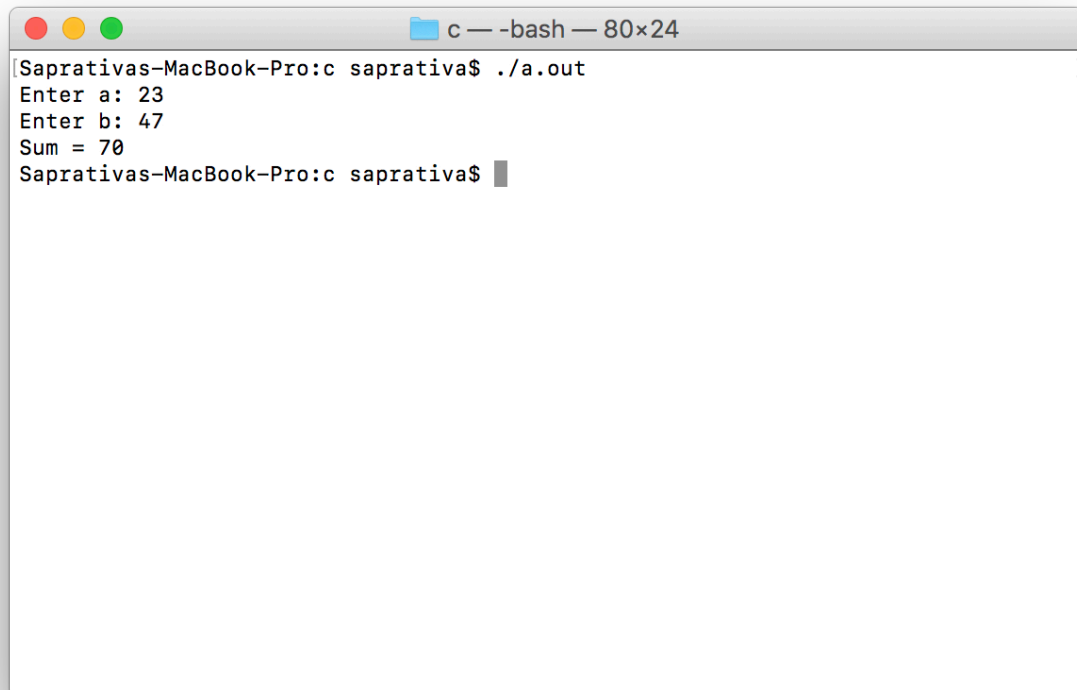
    printf("Enter a: ");
    scanf("%d", &a);

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

    c = a + b;

    printf("Sum = %d\n", c);

    return 0;
}
```

A screenshot of a macOS terminal window. The title bar shows a folder icon, the text 'c — -bash — 80x24', and three colored window control buttons (red, yellow, green). The terminal content shows the execution of a C program. The prompt is 'Saprativas-MacBook-Pro:c saprativa\$'. The user enters './a.out'. The program prompts 'Enter a: 23' and 'Enter b: 47'. It then outputs 'Sum = 70'. The prompt returns to 'Saprativas-MacBook-Pro:c saprativa\$' with a cursor.

```
Saprativas-MacBook-Pro:c saprativa$ ./a.out
Enter a: 23
Enter b: 47
Sum = 70
Saprativas-MacBook-Pro:c saprativa$
```