

Lab Report: Basic C Programming Exercises

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Course: Structured Programming Language

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Task 1: Sum of Two Integers

```
#include <stdio.h>

int main() {
    int num1 = 10;
    int num2 = 20;
    int sum = num1 + num2;

    printf("The sum of %d and %d is: %d\n", num1, num2, sum);
    return 0;
}
```

Output:

The sum of 10 and 20 is: 30

Task 2: Area of a Circle

```
#include <stdio.h>
#define PI 3.1416

int main() {
    float radius, area;

    printf("Enter the radius of the circle: ");
    scanf("%f", &radius);

    area = PI * radius * radius;

    printf("The area of the circle is: %.2f\n", area);
    return 0;
}
```

Sample Output:

Enter the radius of the circle: 5

The area of the circle is: 78.54

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Task 3: Celsius to Fahrenheit Conversion

```
#include <stdio.h>

int main() {
    float celsius, fahrenheit;

    printf("Enter temperature in Celsius: ");
    scanf("%f", &celsius);

    fahrenheit = (celsius * 9 / 5) + 32;

    printf("Temperature in Fahrenheit: %.2f\n", fahrenheit);
    return 0;
}
```

Sample Output:

```
Enter temperature in Celsius: 37
Temperature in Fahrenheit: 98.60
```