

Medi-Caps University



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COMPUTER PROGRAMMING

Programming Assignment

Submitted To
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- Program to calculate factorial of any number

I. Input of program

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int n, i;
```

```
    unsigned long long fact = 1;
```

```
    printf("Enter an integer: ");
```

```
    scanf("%d", &n);
```

```
    if (n < 0)
```

```
        printf("Error! Factorial of a negative number doesn't exist.");
```

```
    else {
```

```
        for (i = 1; i <= n; ++i) {
```

```
            fact *= i;
```

```
        }
```

```
        printf("Factorial of %d = %llu", n, fact);
```

```
    }
```

```
    return 0;
```

```
}
```

```
#include <stdio.h>
int main() {
    int n, i;
    unsigned long long fact = 1;
    printf("Enter an integer: ");
    scanf("%d", &n);

    if (n < 0)
        printf("Error! Factorial of a negative number doesn't exist.");
    else {
        for (i = 1; i <= n; ++i) {
            fact *= i;
        }
        printf("Factorial of %d = %llu", n, fact);
    }

    return 0;
}
```

II. Output of Program

```
Enter an integer: 35  
Factorial of 35 = 6399018521010896896  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```