

Centre for Development of Advanced Computing (C-DAC) Bangalore  
**Post Graduate Diploma in Advanced Computing (PG-DAC)**  
February 2025 Batch  
**DAC01 – C++ Programming**

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Hands On Practice Problem – 1

1. Write a CPP Program for a Menu Driven Calculator with + - \* / operation.
2. Write a CPP Program to calculate simple interest. Take user input for Principal, rate and time.
3. Write a program to swap two numbers without using temporary variable.
4. Write a CPP Program to print the following pattern:

(i)

```
*  
* *  
* * * *  
* * * * *
```

(ii)

```
* * * * *  
* * * *  
* * *  
* *  
*
```