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Batch: - M7

Code:-

```cpp
#include <iostream>
using namespace std;
string encrypt(string text, int s)
{

        string result = "";
        for (int i = 0; i < text.length(); i++) {
                // Encrypt Uppercase letters
                if (isupper(text[i]))
                        result += char(int(text[i] + s - 65) % 26 + 65);

                // Encrypt Lowercase letters
                else
                        result += char(int(text[i] + s - 97) % 26 + 97);
        }
        return result;
}

int main()
{
        string text;
```

```cpp
    cout<<"Enter text"<<endl;

    cin>>text;

    int s = 5;

    cout << "Text : " << text;

    cout << "\nShift: " << s;

    s = s%26; // ensuring that s lies between 0-25

    cout << "\nCipher: " << encrypt(text, s);

    return 0;

}
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL                                    >_ Code  + ∨  ⬚  🗑  ···  ∨  X

● PS C:\Users\gupta\OneDrive\Documents\NS> cd "c:\Users\gupta\OneDrive\Documents\NS\" ; if ($?) { g++ expt2_En.cpp -o expt2_En
  } ; if ($?) { .\expt2_En }
  Enter text
  ABCdef
  Text : ABCdef
  Shift: 27
  Cipher: BCDefg
● PS C:\Users\gupta\OneDrive\Documents\NS> cd "c:\Users\gupta\OneDrive\Documents\NS\" ; if ($?) { g++ expt2_En.cpp -o expt2_En
  } ; if ($?) { .\expt2_En }
  Enter text
○ ABCdef
  Text : ABCdef
  Shift: 5
  Cipher: FGHijk
  PS C:\Users\gupta\OneDrive\Documents\NS> |
```