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Practical No. 1

Program:

```
#include <iostream>
using namespace std;

string encrypt(string text,int s)
{
    string result="";

    for(int i=0;i<text.length();i++)
    {
        if(isupper(text[i]))
            result+=char(int(text[i]+s-65) % 26+65);
        else
            result+=char(int(text[i]+s-97) % 26+97);
    }
    return result;
}

int main()
{
    string text;
    int s;
    cout<<"\nEnter The text: ";
    cin>>text;
    cout<<"\nText: "<<text;
    cout<<"\nEnter the number of shift to do: ";
    cin>>s;
    cout<<"\nShift: "<<s;
    cout<<"\nCipher: "<<encrypt(text,s);
    return 0;
}
```

Output:

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS D:\6th-Sem\IS> g++ caesar-cipher.cpp
PS D:\6th-Sem\IS> ./a.exe
```

```
Enter The text: ATTACKERWHITEHAT
```

```
Text: ATTACKERWHITEHAT
```

```
Enter the number of shift to do: 3
```

```
Shift: 3
```

```
Cipher: DWWDFNHUZKLWHKDW
```

```
PS D:\6th-Sem\IS> █
```