```cpp
 1: /*
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 6:
 7: C++ Encryption/Decryption Project
 8: */
 9:
10: #include <iostream>
11: #include <iomanip>
12: #include <string>
13: #include <chrono>
14: #include <thread>
15: #include <cstdlib>
16: using namespace std;
17:
18: class Menu//creating the class
19: {
20: public://public member function prototypes
21:
22:         //creating protoype functions
23:         Menu();
24:         void mainMenu();
25:         void encryptMenu();
26:         void decryptMenu();
27:         string subEncrypt(string);
28:         string caesarEncrypt(string, int shift=14);
29:         void enSubMenu();
30:         void enCaeMenu();
31:         string subDecrypt(string);
32:         string caesarDecrypt(string, int shift=14);
33:         void bruteforce(string);
34:         void deSubMenu();
35:         void deCaeMenu();
36:         void bfMenu();
37:         void superMenu();
38:         void clear_screen();
39:         void sleep();
40:
41: private://private data members
42:         int mainChoice{ 0 };
43:         int encryptChoice{ 0 };
44:         int decryptChoice{ 0 };
45:         int enSubChoice{ 0 };
46:         int enCaeChoice{ 0 };
47:         int deSubChoice{ 0 };
48:         int deCaeChoice{ 0 };
49:         int bfChoice{ 0 };
50:         int superChoice{ 0 };
51:         int caesarindex;
52:         int subindex;
53:         string cleartext;
54:         string alpha =    "abcdefghijklmnopqrstuvwxyz";
55:         string subalpha = "moswlxftecbjnypzkgqudhvria";
56: };//end class Menu
57:
```