```cpp
int num;
string massage;
cout<<"Ahlan Ya user! "<<endl;
cout<<"what do you want today:"<<endl;
cout<<"1-cipher"<<endl;
cout<<"2-decipher"<<endl;
cout<<"3-end"<<endl;
cout<<"choose from 1 or 2 or 3: " ;
cin>>num;
while(num! =1 && num! =2 && num! =3)
{
  cout<<"invalide "<<endl;
  cout<<"choose from 1 or 2 or 3: " ;
  cin>>num;
}
cout<<"enter the massage: ";
getline(cin,massage. size(), /n);
while(num==1 || num==2)
{
  for(int i=0;i<massage.size();i++)
  {
    if((int)massage[i]>=65 && (int)massage[i]<=90)
    {
      for(int k=0;k<26;k++)
      {
        if((int)massage[i]+(65+(25-k))==155)
        {
          massage[i]=(char)(65+(25-k));
          break;
        }
      }
    }
    if((int)massage[i]>=97 && (int)massage[i]<=122)
    {
      for(int k=0;k<26;k++)
      {
        if((int)massage[i]+(97+(25-k))==219)
        {
          massage[i]=(char)(97+(25-k));
          break;
        }
      }
    }
    else
    {
            continue;
```

```cpp
        }

    }
    cout<<massage<<endl;
    cout<<"Ahlan Ya user! "<<endl;
    cout<<"what do you want today:"<<endl;
    cout<<"1-cipher"<<endl;
    cout<<"2-decipher"<<endl;
    cout<<"3-end"<<endl;
    cout<<"choose from 1 or 2 or 3:" ;
    cin>>num;
    while(num! =1 && num! =2 && num! =3)
    {
        cout<<"invalide "<<endl;
        cout<<"choose from 1 or 2 or 3:" ;
        cin>>num;
    }
    if(num==1 || num==2)
    {
        cout<<"enter the massage: ";
        getline(cin,massage. size(), /n);

    }
}
```