

Exercise 6

Write a program that is able to compute some operations on an integer. The program writes the value of the integer and writes the following menu:

1. Add 1
2. Multiply by 2
3. Subtract 4
4. Quit

The programs ask the user to type a value between 1 and 4. If the user types a value from 1 to 3 the operation is computed, the integer is written and the menu is displayed again. If the user types 4, the program quits.

```
cout <<"Enter an integer: ";
int N,n ;
cin >> N;
for (n=0; n>=0; n++)
{
cout <<" n ";
cout << "Now please choose from the following :";
cout << " 1. Add 1"<<endl;
cout << " 2. Multiply by 2 "<<endl;
cout << " 3. Subtract 4"<<endl;
cout << " 4. Quit "<< endl;
cout << " Selection?";
int selection;
cin >> selection;
if (selection==1)
{
N=N+1;
cout << " The current value is: "<<N<<endl ;
}
else if (selection ==2)
{
N=2*N;
cout << "The current value is: "<<N<<endl;
}
else if (selection ==3)
{
N=N-4;
cout <<"The current value is: "<<N<<endl;
}
else if (selection==4)
{
n=-5;
cout << "Goodby!"<<endl;
}
else
cout << "Please enter a valid selection"<<endl;
}
```