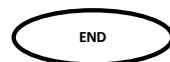
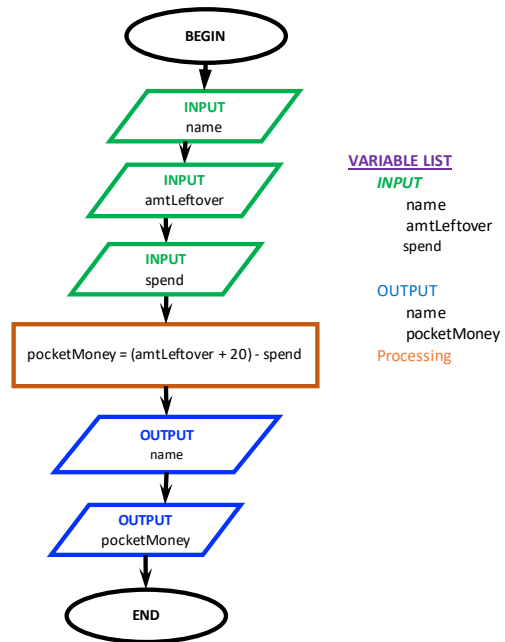


NAME: Navid Gashti
Partner: Andrew Gharlos
CLASS: MW 8 - 10:20am



Name: **Andrew Gharios & Navid Gutshi**

Class: **MW 8AM**

BEGIN PROGRAM

INPUT name

INPUT amtLeftover

INPUT spent

CALC pocketMoney = (amtLeftover + 20) - spent

OUTPUT name

OUTPUT pocketMoney

END PROGRAM

VARIABLE LIST

INPUT

name

amtLeftover

spent

OUTPUT

pocketMoney

PROCESSING

```
1 *****
2 * PROGRAMMED BY : Andrew Gharos & Navid Gushti
3 * CLASS        : CS1A
4 * SECTION      : MW 8:00a - 10:30a
5 * LAB #11      : Output - Pocket Money
6 *****
7
8 What is your name?          Jean Cyr
9 How much is left from last week? 12.50
10 How much have you spent?    23.00
11
12 Hello Jean Cyr
13 You now have $ 9.50 left.
14
15
16 What is your name?          Pete McBride
17 How much is left from last week? 25.15
18 How much have you spent?    32.76
19
20 Hello Pete McBride
21 You now have $ 12.39 left.
22
23
24
25 What is your name?          Chris Carroll
26 How much is left from last week? 5.25
27 How much have you spent?    16.50
28
29 Hello Chris Carroll
30 You now have $ 8.75 left.
```

```

1 /*****
2 * AUTHORS : Andrew Gharios, Navid Gashti
3 * STUDENT IDs : 1449366 & 1182192
4 * LAB #11 : Basic Input & Output
5 * CLASS : CS1A
6 * SECTION :
7 * DUE DATE : 3/17/21
8 *****/
9 #include <iostream>
10 #include <iomanip>
11 using namespace std;
12 /*****
13 * Pocket Money Program
14 *
15 *
16 * This program receives the pocket money left over from the previous
17 * week and the amount spent in the current week from the user and
18 * calculates how much pocket money is remaining. Each week the user
19 * is allocated an allowance.
20 *
21 * INPUT:
22 * name : The user's name.
23 * amtLeftover : Amount leftover from the previous week.
24 * spent : Amount spent this week.
25 *
26 * OUTPUT:
27 * name : User's Name
28 * pocketMoney : Amount of pocket money remaining
29 *****/
30
31 int main()
32 {
33     /*****
34     * CONSTANTS
35     * -----
36     * OUTPUT - USED FOR CLASS HEADING
37     * -----
38     * PROGRAMMER      : Programmer's Name
39     * CLASS            : Student's Course
40     * SECTION         : Class Days and Times
41     * LAB_NUM         : Lab Number (specific to this lab)
42     * LAB_NAME        : Title of the Lab
43     * -----
44     * WEEKLY_PAY used to create a constant payment of 20 dollars per week.
45     * -----
46     * WEEKLY_PAY      : Weekly payment to user's money.
47     * -----
48     * NAME_SIZE used to save a constant size for namesizes.
49     * -----
50     * NAME_SIZE       : size for name strings.
51     * -----
52     * INPUT_COL is used to store the value for setw when inputting values.
53     * -----
54     * INPUT_COL       : size for input column.
55     *****/
56     const char PROGRAMMER[] = "Andrew Gharios & Navid Gushti";
57     const char CLASS[] = "CS1A";
58     const char SECTION[] = "MW 8:00a - 10:30a";
59     const int LAB_NUM = 11;
60     const char LAB_NAME[] = "Output - Pocket Money";
61
62     const int WEEKLY_PAY = 20;

```

```

63     const int NAME_SIZE          = 25;
64     const int INPUT_COL          = 33;
65
66
67     char    name[NAME_SIZE]; // IN & OUT   - Name of the user.
68     double  amtLeftover;      // IN & CALC - Amount of money left from user.
69     double  spent;            // IN & CALC - Amount of money spent by user.
70     double  pocketMoney;      // CALC & OUT - User's pocket money at the end.
71
72     /*****
73      * OUTPUT - class heading
74      *****/
75     cout << left;
76     cout << "*****\n";
77     cout << "PROGRAMMED BY : " << PROGRAMMER << endl;
78     cout << " " << setw(14) << "CLASS" << ": " << CLASS << endl;
79     cout << " " << setw(14) << "SECTION" << ": " << SECTION << endl;
80     cout << "LAB #" << setw(9) << LAB_NUM << ": " << LAB_NAME << endl;
81     cout << "*****\n\n";
82     cout << right;
83
84     /*****
85      * INPUT: User inputs name, amount of money left over from last week,
86      *        and amount of money spent.
87      *****/
88     // Input name.
89     cout << left;
90     cout << setw(INPUT_COL) << "What is your name? ";
91     cin.getline (name, NAME_SIZE);
92
93     // Input amount leftover.
94     cout << setw(INPUT_COL) << "How much is left from last week? ";
95     cin >> amtLeftover;
96     cin.ignore(10000, '\n');
97
98     // Input amount spent.
99     cout << setw(INPUT_COL) << "How much have you spent? ";
100    cin >> spent;
101    cin.ignore(10000, '\n');
102    cout << endl;
103    cout << right;
104
105
106    /*****
107     * PROCESSING: Program calculates the pocketmoney left at the end based
108     *              on user's input of previous money and money spent.
109     *****/
110    pocketMoney = (amtLeftover + WEEKLY_PAY) - spent;
111
112    /*****
113     * OUTPUT: Outputs user's name, and amount of pocketmoney left at the end.
114     *
115     * Expected Output:
116     *****/
117    * PROGRAMMED BY : Andrew Gharlos & Navid Gushti
118    * CLASS          : CS1A
119    * SECTION        : MW 8:00a - 10:30a
120    * LAB #11        : Output - Pocket Money
121    *****/
122
123    What is your name?          Jean Cyr
124    How much is left from last week? 12.50

```

```
125     How much have you spent?          23.00
126
127     Hello Jean Cyr
128     You now have $ 9.50 left.
129
130
131     What is your name?                  Pete McBride
132     How much is left from last week? 25.15
133     How much have you spent?          32.76
134
135     Hello Pete McBride
136     You now have $ 12.39 left.
137
138
139
140     What is your name?                  Chris Carroll
141     How much is left from last week? 5.25
142     How much have you spent?          16.50
143
144     Hello Chris Carroll
145     You now have $ 8.75 left.
146     *****/
147     cout << fixed;
148     cout << setprecision(2);
149     cout << "Hello " << name << endl;
150     cout << "You now have $ " << pocketMoney << " left.";
151     return 0;
152 }
153
```