

CISC1110, Spring12, Lab 3

1. Create a program called `bday.cpp`. Begin by copying your "hello world" into the `bday.cpp` file. Compile and run it, to make sure you are starting with working code:

- Now edit the code. Declare two integer variables inside the `main()` function of your program:

```
int day;
int month;
```

- After you declare them, set the value of these variables to the day and month in which you were born:

```
day = 1;
month = 1;
```

- Then change the output of your program. Instead of saying "hello world", say "happy birthday on 1/1" (or whatever your birthday is).

```
cout << "happy birthday on " << day << "/" << month << "\n";
```

- Compile and run it to make sure it works.

2. Using character variables

- Create a new program called `initials.cpp` by copying your `bday.cpp` code into the new file.
- Declare three character variables inside the `main()` function of your program:

```
char first;
char middle;
char last;
```

- After you declare them, set the value of these variables to your initials;

```
first = 'K';
middle = 'Y';
last = 'A';
```

- Then change the output of your program. Say something creative using your initials. 1

Here is an uncreative example:

```
cout << "my initials are " << first << middle << last << "\n";
```

- Compile and run it to make sure it works.

3. Adding it all up

- Create a new program called `initnum.cpp` by copying your `initials.cpp` code into the new file. Then edit the new file by declaring three integer variables after the three character variables that are already there from the `initials` program.
- Assign values to each of the integer variables by converting a character variable, like this:

```
char first;  
int first_num;  
first = 'K';  
first_num = (int)first;
```

- Now declare another integer variable called `sum`. Set "sum" equal to the total of the three integer values. Output the value of `sum`.
- Compile and run it to make sure it works.