

AP Computer Science A (JAVA)

- Collegeboard does not allow school to teach AP Computer A (AP CSP) and AP Computer Science Principle (AP CSP)
- This class is AP Computer A (AP CSP)
- Students may take AP CSP test personally

1.2 Primitives

- int, double, char, string, Boolean...
- Watch 3 videos
- https://www.youtube.com/watch?v=TVSj_N2Rmfo&list=PLLAZ4kZ9dFpPpdR_9IQBUDLjYalvdrGGb&index=5
- Type and run every code in the videos.



HW12. Decode a hidden message

1. Write a simple message and make a hidden message using alphabetic numbers.

Simple message has alphabets only

Example: Simple message

```
"Hi Katie Have you finished computer science homework it is so fun if you want I can help you"
```

2. Create a secrete message using the map(function) below.

```
String simpleMessage = "Hi Katie Have you finished computer science homework it is so fun if you want I can help you";  
    //           0         1         2         3         4         5         6         7         8         9  
    //           0123456789012345678901234567890123456789012345678901234567890123456789012345678901
```

3. Send email to a friend with the simple message and the secrete code.

Example: 21 86 56 3 85 91

4. Use simpleMessage.charAt(21) and decode the secret message that you received.

5. Decode the email with title "??"

Example

```
package homework;

public class HW12 {
    public static void main(String[] args) {
        String simpleMessage = "Hi Katie Have you finished computer science homework it is so fun if you want I can help you";
        //           0           1           2           3           4           5           6           7           8           9
        //           01234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901

        System.out.println("Hidden Message");

        System.out.println(simpleMessage.charAt(21));
        System.out.println(simpleMessage.charAt(86));
        System.out.println(simpleMessage.charAt(56));
        System.out.println(simpleMessage.charAt(3));
        System.out.println(simpleMessage.charAt(85));
        System.out.println(simpleMessage.charAt(91));

    }
}
```