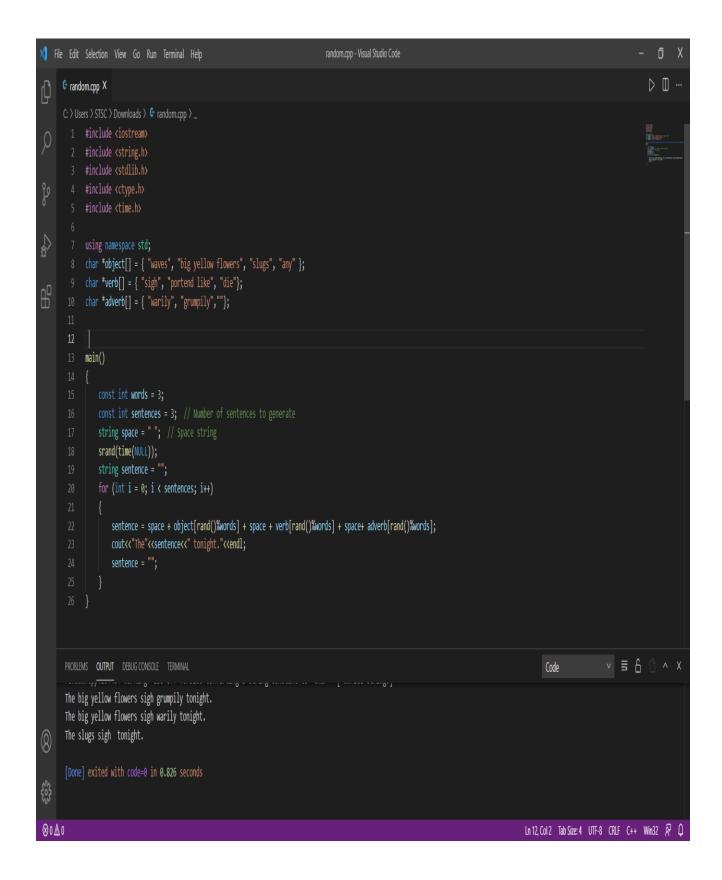
Assignment: 5

Program for create random sentence from given data object, verb and adverb.

<u>C++</u>

```
#include <iostream>
#include <string.h>
#include <stdlib.h>
#include <ctype.h>
#include <time.h>
using namespace std;
char *object[] = { "waves", "big yellow flowers", "slugs", "any" };
char *verb[] = { "sigh", "portend like", "die"};
char *adverb[] = { "warily", "grumpily",""};
main()
{
        const int words = 3;
        const int sentences = 3; // Number of sentences to generate
        string space = " "; // Space string
        srand(time(NULL));
        string sentence = "";
        for (int i = 0; i < sentences; i++)
        {
                sentence = space + object[rand()%words] + space + verb[rand()%words] + space+
adverb[rand()%words];
                cout<<"The"<<sentence<<" tonight."<<endl;
                sentence = "";
        }
}
```



<u>JAVA</u>

```
import java.util.Random;
public class random{
        final static String space = " ";
        final static String period = ".";
static Random r = new Random();
public static void main( String args[] ){
        String object[] = { "waves", "big yellow flowers", "slugs"};
        String adverb[] = { "warily", "grumpily", "a"};
        String verb[] = { "sigh", "portend like ", "die"};
        String preposition[] = { "to", "from", "over", "under", "on" };
        int sentences = 3;
        String sentence;
        sentence = object[rand()];
        char c = sentence.charAt(0);
        for(int i =0;i<sentences;i++)</pre>
        sentence = (space + object[rand()] + space + verb[rand()] + space+ adverb[rand()]);
        System.out.println("The"+sentence+ " tonight.");
        sentence = "";
        }
  }
  static int rand(){
        int temp = r.nextInt() % 3;
        if ( temp < 0 )
                temp += 3;
        return temp;
}
```

```
⊾i Result
& Execute | > Share | Source File | STDIN
  1 import java.util.Random;
                                                                                              $javac random.java
   2 r public class random{
                                                                                              $java -Xmx128M -Xms16M random
          final static String space = " ";
                                                                                              The slugs portend like grumpily tonight.
          final static String period = ".";
                                                                                             The big yellow flowers portend like warily tonight.
                                                                                             The big yellow flowers sigh a tonight.
         static Random r = new Random();
         public static void main( String args[] ){
             String object[] = { "waves", "big yellow flowers", "slugs"};
             String adverb[] = { "warily", "grumpily", "a"};
             String verb[] = { "sigh", "portend like ", "die"};
             String preposition[] = { "to", "from", "over", "under", "on" };
             int sentences = 3;
             String sentence;
             sentence = object[rand()];
             char c = sentence.charAt(0);
             for(int i =0;i<sentences;i++)</pre>
              sentence = (space + object[rand()] + space + verb[rand()] + space+
                  adverb[rand()]);
              System.out.println("The"+sentence+ " tonight.");
             sentence = "";
         static int rand(){
             int temp = r.nextInt() % 3;
             if ( temp < 0 )</pre>
                  temp += 3;
             return temp;
```