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| Student Name: …….………………………………………………………………….... | Student Number: …………………………………………………….………….. |

1. What will be the output of the following C++ code?
2. #include <iostream>
3. #include <cstring>
4. using namespace std;
5. int main ()
6. {
7. char str1[10] = "Hello";
8. char str2[10] = "World";
9. char str3[10];
10. int len ;
11. strcpy( str3, str1);
12. strcat( str1, str2);
13. len = strlen(str1);
14. cout << len << endl;
15. return 0;
16. }
17. What will be the output of the following C++ code?

#include <iostream>

using namespace std;

int main()

{

    char str[] = "geeksforgeeks";

    cout << str[6];

    return 0;

}

3.What prints when each of the following statements is performed? Assume the following declarations:

char s1[50] = "jack";char s2[50] = "jill";char s3[50];

1. cout << strcpy ( s3, s2 ) << endl;
2. cout << strcat ( strcat ( strcat ( s3, s1 ), " and " ), s2 ) << endl;
3. cout << strlen ( s1 ) + strlen ( s2 ) << endl;
4. cout << strlen ( s3 ) << endl;

4.What will be the output of the following C++ code?

#include <iostream>

#include <string>

using namespace std;

int main () {

string str1 = "Hello";

string str2 = "World";

string str3;

int len ;

// copy str1 into str3

str3 = str1;

cout << "str3 : " << str3 << endl;

// concatenates str1 and str2

str3 = str1 + str2;

cout << "str1 + str2 : " << str3 << endl;

// total length of str3 after concatenation

len = str3.size();

cout << "str3.size() : " << len << endl;

return 0;

}

5. Write statements that print for two given strings str1 and str2:

* 1. Length of the two strings
  2. Index of the first character 'm' in the string str1
  3. Index of the next character 'm' in the string str1

1. Given a string s ,which has more than five characters, write a statement that assigns to another string p the first five characters of string s but in reverse order
2. Write a statement that assigns to a char variable ***c***, the middle character of a given string ***s***.