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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. }

**Output**:

10

1. 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;

}

**Output**:

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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;

**Output**:

1. Jill
2. jack and jill
3. 8
4. 13

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;

}

**Output**:

str3 : Hello

str1 + str2 : HelloWorld

str3.size() : 10

// Example program

#include <iostream>

#include <string>

using namespace std;

int main()

{

 string str1 ="I miss you ! ";

 string str2 = "We should go to Cinema!";

 cout<< str1.length()<<endl;

 cout<< str2.length()<<endl;

}