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| **Question 1** |
| Assume that the following code is in your program  int myNumbers[5] = { 16, 2, 77, 40, 12071 };  What would the following code output:  cout << myNumbers[1]; |
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| **Question 2** |
| What is the output of the following code example:  for(int i = 5; i < 10; i++)      {          cout << i << endl;      } |
|  |
| **Question 3** |
| What is the output of the following code example:  int counter = 10;      while(counter < 10)      {          cout << "Hello world!" << endl;      }  cout << "End of Program" << endl; |
| **Question 4** |
| What is the output of the following code example:  int myNumber = 10;      if( (myNumber % 2 == 0) && (myNumber % 5 == 0) )      {          cout << "Hello world!" << endl;      }      else      {          cout << "Hello student!" << endl;      } |
| **Question 5** |
| What would the output of the following code be?  string student[5] = { "Sam", "Fred", "Sally", "Kevin", "Mary"};      double studentGrade[5] = {98.2, 78.5, 96.3, 89.1, 88.0};        cout << "Student: " << student[3] << " Grade: " << studentGrade[3] << endl; |
| **Question 6** |
| How many times will the following code output Hello World  int myCounter = 5;      int myNumber = 15;      do      {          cout << "Hello World!" << endl;      } while (myNumber < 10); |
| **Question 7** |
| The expression  static\_cast<int>(19.9)  evaluates to \_\_\_\_. |
| **Question 8** |
| Which of the following struct definitions is correct in C++?  A:  struct studentType  {    int ID;  };  B:  int struct studentType  {    int ID;  } |
| **Question 9** |
| All components of an array are of the same data type.  **True or False** |
| **Question 10** |
| Arrays can be passed as parameters to a function by value, but it is faster to pass them by reference  **True or False** |
| **Question 11** |
| Assume you have the following declaration char nameList[100];. Which of the following ranges is valid for the index of the array nameList?  A. 0 through 99  B. 0 through 100  C. 1 through 100  D. 1 through 101 |
| **Question 12** |
| The data type of a variable in a return statement must match the function type.  **True or False** |
| **Question 13** |
| The expression (x >= 0 && x <= 100) evaluates to false if either x < 0 or x >= 100.  **True or False** |
| **Question 14** |
| What does <= mean? |
| **Question 15** |
| What will the following expression output?  cout << pow(2.0, pow(3.0, 1.0)) << endl; |
| **Question 16** |
| Given the following function prototype:  int x = 35;  int y = 45;  int z;  if (x > y)    z = x + y;  else    z = y – x;  cout << x << " " << y << " " << z << endl; |
| **Question 17** |
| What is the value of x after the following statements execute?  int test(float, char);  A. cout << test(12, &);  B. cout << test("12.0", "&");  C. int u = test(5.0, '\*');  D. cout << test("12", "&"); |
| **Question 18** |
| Given the following function:  int strange(int x, int y)  {    if (x > y)        return x + y;    else        return x – y;  }  What is the output of the following statement  cout << strange(4, 5) << endl; |
| **Question 19** |
| Briefly explain "Call by Value" and "Call by Reference" in you own words |
| **Question 20** |
| What is the output of the following code  number = 1;  while (number < 5)  {    number++;    cout << number << " ";  }  cout << endl; |
| **Question 21** |
| What is the output of the following C++ code?  count = 1;  num = 25;  while (count < 25)  {    num = num - 1;    count++;  }  cout << count << " " << num << endl; |
| **Question 22** |
| What is the output of the following code  number = 1;  while (number < 5)  {    number++;    cout << number << " ";  }  cout << endl; |
| **Question 23** |
| In C++ the identify the following operators:  && \_\_\_\_\_\_\_\_\_\_\_  ||  \_\_\_\_\_\_\_\_\_\_\_\_  % \_\_\_\_\_\_\_\_\_\_\_\_  !  \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Question 24** |
| There is no right answer - the response is based on your opinion  This class was:   1. Too hard 2. About right 3. Too easy |
| **Question 25** |
| There is no right answer - the response is based on your opinion   1. What did you find most helpful in getting to the end of the class 2. If you were to change anything in the class - what would it be? |