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| 1 | What do vectors represent? a) Static arrays b) Dynamic arrays c) Stack d) Queue | b |
| 2 | In which type of storage location are the vector members stored? a) Contiguous storage locations b) Non-contiguous storage locations c) Both a & b d) None of the mentioned | a |
| 3 | How many vector container properties are there in c++? a) 1 b) 2 c) 3 d) 4 | C |
| 4 | Which is optional in the declaration of vector? a) Type b) Name c) Vector d) Number\_of\_elements | D |
| 5 | Pick out the correct statement about vector. a) vector<int> values (5) b) vector values (5) c) vector<int> (5) d) None of the mentioned | A |
| 6 | #include <iostream>  #include <vector>  using namespace std;  int main ()  {  vector<int> myvector (5);  int \*p = myvector.data();  \*p=10;  ++p;  \*p=20;  p[2] = 100;  for (unsigned i = 0; i < myvector.size(); ++i)  cout << ' ' << myvector[i];  return 0;  }  a) 10 20 0 100 0 b) 10 20 0 100 c) 10 20 0 d) 10 20 | A |
| 7 | #include <iostream>  #include <vector>  using namespace std;  int main ()  {  vector<int> first;  first.assign (7,100);  vector<int>::iterator it;  it=first.begin()+1;  int myints[] = {1776,7,4};  cout << int (first.size()) << '\n';  return 0;  }  a) 10 b) 9 c) 8 d) 7 | D |
| 8 | #include <iostream>  #include <vector>  using namespace std;  int main ()  {  vector<int> a (3, 0);  vector<int> b (5, 0);  b = a;  a = vector<int>();  cout << "Size of a " << int(a.size()) << '\n';  cout << "Size of b " << int(b.size()) << '\n';  return 0;  }  a) Size of a 0 Size of b 3 b) Size of a 3 Size of b 5 c) Error d) None of the mentioned | A |
| 9 | #include <iostream>  #include <vector>  using namespace std;  int main ()  {  vector<int> myvector;  int sum (0);  myvector.push\_back (100);  myvector.push\_back (200);  myvector.push\_back (300);  while (!myvector.empty())  {  sum += myvector.back();  myvector.pop\_back();  }  cout << sum << '\n';  return 0;  }  a) 500 b) 600 c) 700 d) Error | b |
| 10 | #include <iostream>  #include <vector>  using namespace std;  int main ()  {  unsigned int i;  vector<int> first;  vector<int> second (4, 100);  vector<int> third (second.begin(), second.end());  vector<int> fourth (third);  int myints[] = {16, 2, 77, 29};  vector<int> fifth (myints, myints + sizeof(myints) / sizeof(int) );  for (vector<int> :: iterator it = fifth.begin(); it != fifth.end(); ++it)  cout << ' ' << \*it;  return 0;  }  a) 16 b) 16 2 c) 16 2 77 d) 16 2 77 29 | d |