class Employee

void print();

string name;
int age, salary;

Employee(int a, string n, int s);

{

**}**;

public:

private:

Questions 1-5 are 4 points each. **ANSWERS** 1. What is the first step in writing a program: a) test b) code c) design d) specification? specification 2. What value is assigned to x? int x = int(double(17)/3 + 1/2); 5 3. What does this print? cout << string(8, 'x').substr(2, 1); x 4. What does this print? cout << char('f' + 'B' - 'b'); F 5. Suppose p is a vector<int>::iterator. What statement prints the object to which p points? ANSWER: cout << \*p; 6. Suppose v is a vector<int> containing some numbers in the range 1 to 100. Write code to print the smallest even number in v, or print "none" if v does not contain any such number (20 pts). // ANSWER int smallest = 101; for (int i=0; i<int(v.size()); ++i)</pre> if (v[i] < smallest && v[i] % 2 == 0)smallest = v[i]; if (smallest == 101) cout << "none\n";</pre> else cout << smallest << endl;</pre> 7. Write a function f(s) that takes a string s and returns 0 if s contains at least one digit and 1 otherwise (20 pts). // ANSWER int f(string s) for (int i=0; i<int(s.size()); ++i)</pre> if (isdigit(s[i])) return 0; return 1; 8. Write class Employee so that it works as in the example below (20 pts). Employee x(25, "Joe", 60000), y(32, "Sam", 30000); x.print(); // prints "Joe's age is 25 and salary is 60000" y.print(); // prints "Sam's age is 32 and salary is 30000" // ANSWER

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Employee::Employee(int a, string n, int s)
{
  name = n;
  age = a;
  salary = s;
void Employee::print()
  cout << name << "'s age is " << age << " and salary is " << salary</pre>
        << endl;
9. On the back, write a program to read in words (separated by white space) up to EOF, then print the first word
containing 7 letters, for example (20 pts)
  this is another test
  ^Z
  another
// ANSWER
#include <iostream>
#include <string>
using namespace std;
int main()
  string word;
  while (cin >> word)
    if (int(word.size()) == 7)
      cout << word << endl;</pre>
      break;
  }
  return 0;
```