William Li

CSC 133-GW

Lecture 10 Hw

P 590 #2, 4, 6, 8, 10, 12, 16, 18, 20, 22, 26, 28

1. list[0] = 0  
   list[1] = 0  
   list[2] = 4  
   list[3] = 3  
   list[4] = 16  
   list[5] = 0  
   list[6] = 0  
   list[7] = 0  
   list[8] = 0  
   list[9] = 0
2. myList[0] = 2.5  
   myList[1] = 2.5  
   myList[2] = 5  
   myList[3] = 15  
   myList[4] = 30  
   myList[5] = 75

int myList [10];

for (int i = 1; i < 10; i++)

cin >>myList[i];

for (int i = 1; i < 10; i++)

cout <<myList[i] <<“ ”;

cout <<endl;

1. 1. valid- 4
   2. valid- 10
   3. invalid
   4. valid- 5
   5. invalid
   6. valid- 8
   7. array name accountNum
   8. array size 75
   9. data type int
   10. range of index 0 – 74
   11. first index 0
   12. last index 74
   13. invalid- the array needs a size
   14. valid
   15. invalid- the size of an array must be positive
   16. valid
   17. invalid- the size of an array must be positive
   18. invalid- color is not a data type
2. 1. int alpha[50];
   2. for (int i = 0; i < 50; i++)  
       alpha[ i] = -1;
   3. cout <<alpha[0];
   4. alpha[24] = 62;
   5. alpha[9] = 3 \* alpha[49] + 10
   6. for (int i = 0; i < 50; i++)  
       if (i % 2 == 0 || i% 3 == 0)  
       cout <<alpha[ i];
   7. cout <<alpha[49];
   8. for (int i = 0; i < 50; i++)  
      {  
       cout <<alpha[i];  
       if (i == 14 || i ==29 || i == 44 || i == 59)  
       cout <<endl;  
      }
   9. for (int i = 0; i < 50; i++)  
       if (i % 2 == 0)  
       alpha[i] += 1;
   10. for (int i = 0; i < 49; i++)  
        diffAlpha[i] == alpha[i + 1] - alpha[i];
3. 1. for (int i = 0; i < 5; i++)  
       cout <<list[i] <<“ ”;
   2. for (int i = 0; i < 4; i++)  
       list[i] = list[i] – 3 \* list[i + 1];
4. list1: -2 -1 2 7 14   
   list2: 0 -1 4 21 56 14 8
5. 1. valid
   2. invalid
   3. valid
   4. invalid
6. One contains: 3 8 13 18 23  
   Two contains: 5 15 25 35 45 28 33 38 43 48
7. The address of the first element (index 0) of the array is passed to the formal parameter.