1. (Practice) For the following declarations,  
int \*xPt, \*yAddr;  
long \*dtAddr, \*ptAddr;  
double \*ptZ;  
int a;  
long b;  
double c;  
determine which of the following statements is valid:  
a. yAddr = &a; h. dtAddr = &b; o. ptAddr = &c;  
b. yAddr = &b; i. dtAddr = &c; p. ptAddr = a;  
c. yAddr = &c; j. dtAddr = a; q. ptAddr = b;  
d. yAddr = a; k. dtAddr = b; r. ptAddr = c;  
e. yAddr = b; l. dtAddr = c; s. yAddr = xPt;  
f. yAddr = c; m.ptZ = &a; t. yAddr = dtAddr;  
g. dtAddr = &a; n. ptAddr = &b; u. yAddr = ptAddr;

2. (Program) Write a program that stores the following numbers in the array named miles: 15,22, 16, 18, 27, 23, and 20. Have your program copy the data stored in miles to another array named dist, and then display the values in the dist array. Your program should use pointer notation when copying and displaying array elements.

3. (Practice) Declare a structure data type named Stemp for each of the following records:  
a. A student record consisting of a student’s name, birth date, number of credits completed, and cumulative grade point average  
b. A stock record consisting of the stock’s name, the stock’s price, and the date of purchase

4. (Practice) For the data types declared in Exercise 1, define a suitable structure variable name, and initialize each structure with the following data:  
a. Name: Rhona Karp  
Birth Date: 8/4/60  
Number of Credits Completed: 96  
Grade Point Average: 3.89  
5.#include <iostream.h>  
int main ()  
{  
int value1 = 5, value2 = 15;  
int \* mypointer;  
mypointer = &value1;  
\*mypointer = 10;  
mypointer = &value2;  
\*mypointer = 20;  
cout << "value1==" << value1 << "/ value2==" << value2;  
return 0;  
}  
6.#include <iostream.h>  
int main ()  
{  
int value1 = 5, value2 = 15;  
int \*p1, \*p2;  
p1 = &value1; *// p1 = address of value1*  
p2 = &value2; *// p2 = address of value2*  
\*p1 = 10; *// value pointed by p1 = 10*  
\*p2 = \*p1; *// value pointed by p2 = value pointed by p1*  
p1 = p2; *// p1 = p2 (pointer assignation)*  
\*p1 = 20; *// value pointed by p1 = 20*  
cout << "value1==" << value1 << "/ value2==" << value2;  
return 0;  
}

7.#include <iostream.h>  
int main ()  
{  
int numbers[5];  
int \* p;  
p = numbers; \*p = 10;  
p++; \*p = 20;  
p = &numbers[2]; \*p = 30;  
p = numbers + 3; \*p = 40;  
p = numbers; \*(p+4) = 50;  
for (int n=0; n<5; n++)  
cout << numbers[n] << ", ";  
return 0;  
}