**EXERCISE ARRAY 1**

**ANSWER**

**QUESTION 1**

1. Double list[6] = {8.2, 2.5, 6.6, 9.0, 3.4, 4.5]
2. X = 11.6

Y = 29.7

b.

|  |
| --- |
| smallest = 0;  largest = 0;    for (int i=1; i<10; i++)  {  if (int List[i] < int List [smallest] )  smallest = i;  if (int List[i] > int List [largest])  largest = i;  }  cout << smallest << " " << largest; |

**QUESTION 2**

1. 11

|  |
| --- |
| int buffer[10];  for (int count =0; count <10; count++)  {  buffer[count] = 1;  } |

**QUESTION 3**

1. 6
2. Output:

52 88 80

78 60 99 99 88 99 80

**QUESTION 4**

1. double marks[100];

for (int i=0; i<100; i++)

cin >> marks[i]

1. int sum=0;

float average;

for (int 1=0; i<100; i++)

sum = sum + marks[i];

average = sum / 100;

1. int count=0;

for (int i=0; i<100; i++)

{

if (marks[i] < average)

count++;

}

cout << count++;

**QUESTION 5**

Number [40] = 75;

Number [32] = 329;

Number [31] = 173;

Number [34] = 175;

Number [75] = 303;

Number [36] = 378;

**QUESTION 6**

double question[150];

double highest = 0, total=0, average;

for(int i=0; i<150; i++)

{

cout << “Enter the question: “;

cin >> question[i];

total = total + question[i]

if (question[i] >= highest)

highest = question[i];

}

average = total / 150;

cout << “The higest of no. questions answer is: “

<< highest;

cout << “The average is: “ << average;

cout << “Question answered for all participants: “;

for (int i=0; i<150; i++)

cout << endl << question[i];

**QUESTION 7**

1. 35
2. I) mark [4] = 99;

II) cin >> mark[4]

III) int mark[5] = {50, 45, 48, 71, 97}

Int temp;

temp = mark[0];

mark[0] = mark[4]; //the value is 97

mark[4] = temp;

IV) int mark[5] = {50,45,48,71,97};

int sum = 0;

double average;

for (int i=0; i<5; i++)

{

sum = sum + mark[i];

}

Average = sum / 5;

Cout << “The average of the mark is: “ << average;

**QUESTION 8**

1. float weight[6] = {33.4, 35.6, 34.5, 35.0, 37.5, 36.4};
2. I) float lowest;

lowest = weight[0]

for (int i=0; i<6; i++)

{

if (weight[i] < lowest)

lowest = weight [i];

}

Cout << “The lowest weight is: “ << lowest;

II) float total=0, average;

for (int i=0; i<6; i++)

{

Total = total + weight[i];

}

average = total / 6;

cout << “The average weight is: “ << average;