

# Copy #1 of Data Structures Lab1 Quiz

This is Data Structures Lab Quiz - 1

Question Prompt: 1

Total Points: 1

**What is the size of memory allocated to 'int' variable by C-compiler on 32-bit / 64-bit Ubuntu machine?**

- ☐ 2 bytes
  - ☒ 4 bytes
  - ☐ 8 bytes
  - ☐ None of these
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Question Prompt: 2

Total Points: 1

**What is a variable?**

- ☐ Memory location
  - ☐ An identifier
  - ☐ Space to hold and update its value
  - ☒ All the above
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Question Prompt: 3

Total Points: 1

**Which of the following can be represented as data structure?**

- ☐ Tree
  - ☐ File
  - ☐ Array
  - ☒ All the above
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Question Prompt: 4

Total Points: 1

**Identify the error (if any) in the given structure : `struct student { int roll ; char name[ 10 ]; int mks1, mks2, mks3; }`**

- ☐ No error
  - ☐ mks1, mks2 and mks3 should be declared separately in different line
  - ☒ 'Semicolon' should be given at the end of the structure definition after '}'
  - ☐ 'struct' should be changed to 'structure'
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Question Prompt: 5

Total Points: 1

**What will be the output of the following code : `int a[3] = {98, 99, 100}; printf(" %c", a[2]);`**

- ☐ Compilation error
  - ☒ It will print 'D'
  - ☐ It will print 'd'
  - ☐ It will print 100
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Question Prompt: 6

Total Points: 1

**Given array data, what will be the code to get the desired output : Given array : int a[5] = { 1, 2, 3, 4, 5 }; Desired output : 1 5 2 4 3 3**

- ☐ for(i=0; i< 5; i++) for(j=0; j< 5; i++) printf ( "%d %d \n ", i, j);
  - ☐ for(i=0; i< 5; i++) for(j=4; j>= 0; j- -) printf ( "%d %d \n", a[ i ], a[ j ]);
  - ☐ for(i=0, j=4; i< 5; i++, j- -) printf ( "%d %d \n", i, j);
  - ☒ for(i=0, j=4; i< 5; i++, j- -) printf ( "%d %d \n", a[ i ], a[ j ]);
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