

The image shows two screenshots of a web-based learning platform for a "Data Structures & Algorithms Master Course".

Screenshot 1:

- Question 1:** Which type is best suited to represent the logical values?
A. int
B. bool (Correct Answer)
C. char
D. float
- Feedback:** Your Answer is Correct
Correct Answers: B
Your Answers: B

Screenshot 2:

- Question 2:** Decision Control statements in C++ can be implemented using
A. if
B. if-else
C. conditional-operator
D. all of above (Correct Answer)
- Feedback:** Your Answer is Correct
Correct Answers: D
Your Answers: D

The screenshot shows a web browser window with the URL learn.thecodehelp.in/s/courses/63ac9183e4b0f1067f1b7b32/take. The page title is "Data Structures & Algorithms Master Cours...". On the left, there's a sidebar with a "Contents" section listing various course modules like Functions [Slides], Function [Codes], Week-2 [Connect], etc. A progress bar at the top indicates "91% completed in 16h 16m". The main content area displays a C++ code snippet:

```
#include <iostream>
using namespace std;
int main() {
    if (0) {
        cout << "Hello";
    }
    else
    {
        cout << "Good Bye";
    }
    return 0;
}
```

The screenshot shows the same web browser window after the user has submitted their answer. The question and code snippet are identical to the previous screenshot. Below the code, a list of options is shown:

- A Hello
- B Good Bye** (highlighted in green)
- C HelloGood bye
- D Compilation error

At the bottom, a message box displays: "Your Answer is Correct" and "Correct Answers: B". The user's answer is listed as "Your Answers: B".

The screenshot shows a web browser displaying a course page on [learn.thecodehelp.in](https://learn.thecodehelp.in/s/courses/63ac9183e4b0f1067f1b7b32/take). The course is titled "Data Structures & Algorithms Master Cours...".

Question 4: Single Correct Option, +1.00, -0.00

if you have to make decision based on multiple choices, which of the following is best suited?

A if
B if-else
C if-else-if
D all of above

Your Answer is Correct
Correct Answers: C
Your Answers: C

Question 5: Single Correct Option, +1.00, -0.00

In situations where we need to execute body of the loop before testing the condition, we should use_____.

A for loop
B while loop
C do-while loop
D nested for loop

Your Answer is Correct
Correct Answers: C
Your Answers: C

The screenshot shows a web browser displaying a course page for 'Data Structures & Algorithms Master Course'. The page indicates that 91% of the course has been completed in 16h 16m. A sidebar on the left contains a 'Contents' section with various course modules like Functions [Slides], Function [Codes], Week-2 [Connect], week-2 Connect [Codes], Interesting Doubt - by Abhinav Malik, Number System - Binary & Decimal, C++ Quiz, Debug Exercise, Week2 - Assignments, and Arrays, Time Complexity & Space Complexity.

Question 6: Which loop is faster in C++ Language, for, while or do-while?

A for loop
B while loop
C do-while loop
D all work at same speed

Your Answer is Incorrect
Correct Answers: D
Your Answers: A

Question 7: What is the way to suddenly come out of or quit any loop in C++?

A continue:
B break:
C leave:
D exit(0);

Your Answer is Correct
Correct Answers: B
Your Answers: B

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Week2 - Assignments

Arrays, Time Complexity & Space Complexity

Question 8 Single Correct Option, +1.00, -0.00

Consider the following loop: for(int i = 0; i<5; i++); How much iterations it will take?

A error

B 5

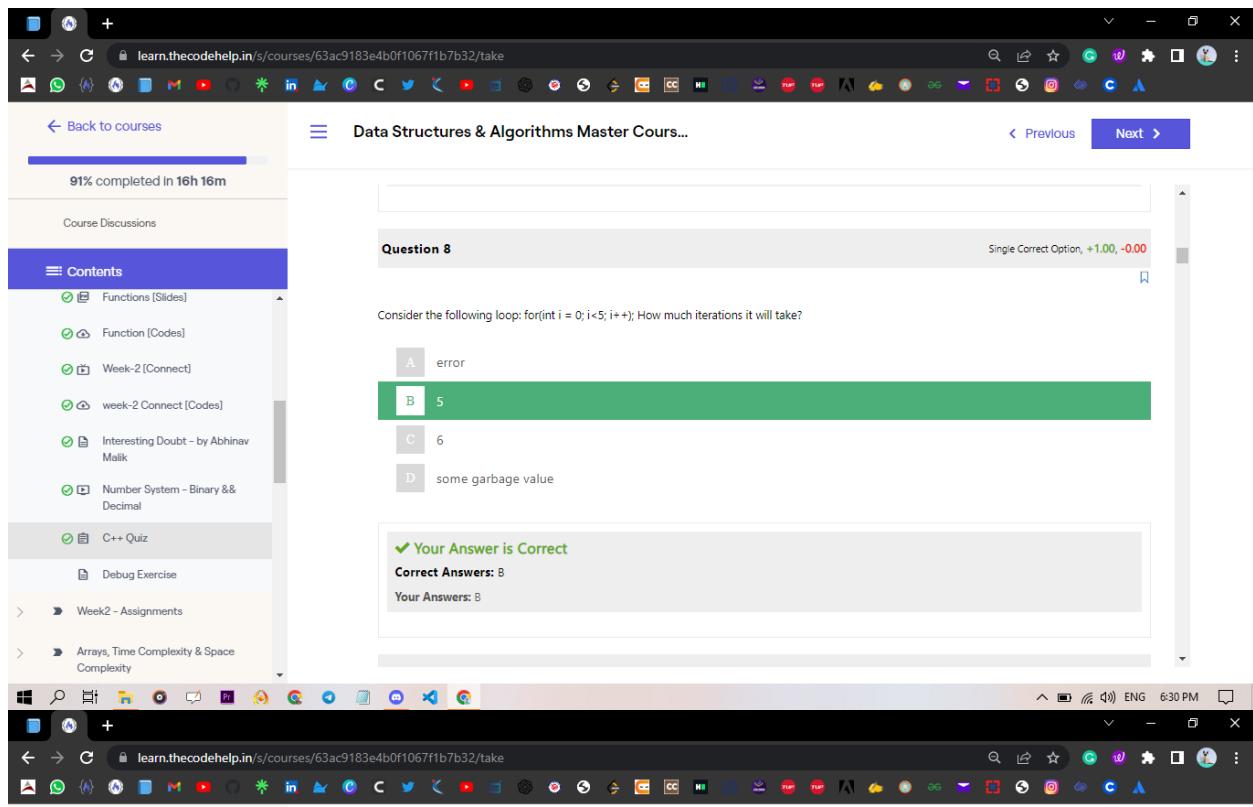
C 6

D some garbage value

✓ Your Answer is Correct

Correct Answers: B

Your Answers: B



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Week2 - Assignments

Arrays, Time Complexity & Space Complexity

Correct Answers: B

Your Answers: B

Question 9 Single Correct Option, +1.00, -0.00

A switch construct can be used with which of the following types of variable?

A int

B int, char

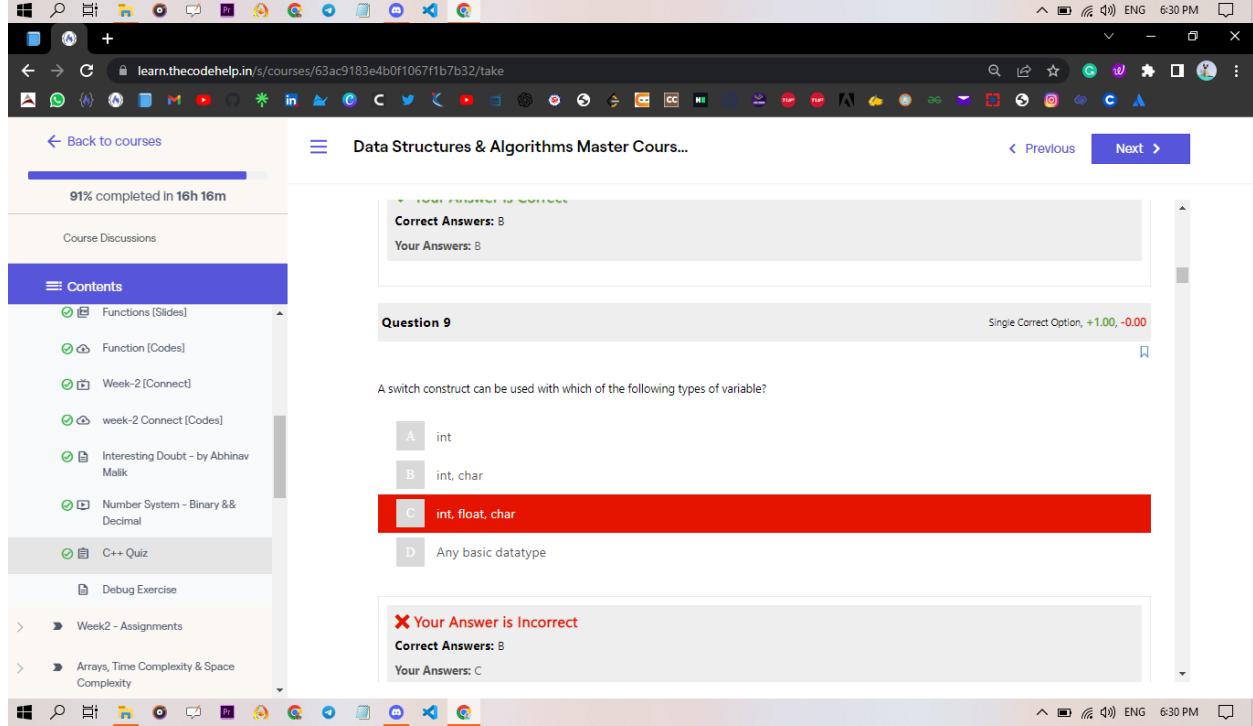
C int, float, char

D Any basic datatype

✗ Your Answer is Incorrect

Correct Answers: B

Your Answers: C



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Week2 - Assignments

Arrays, Time Complexity & Space Complexity

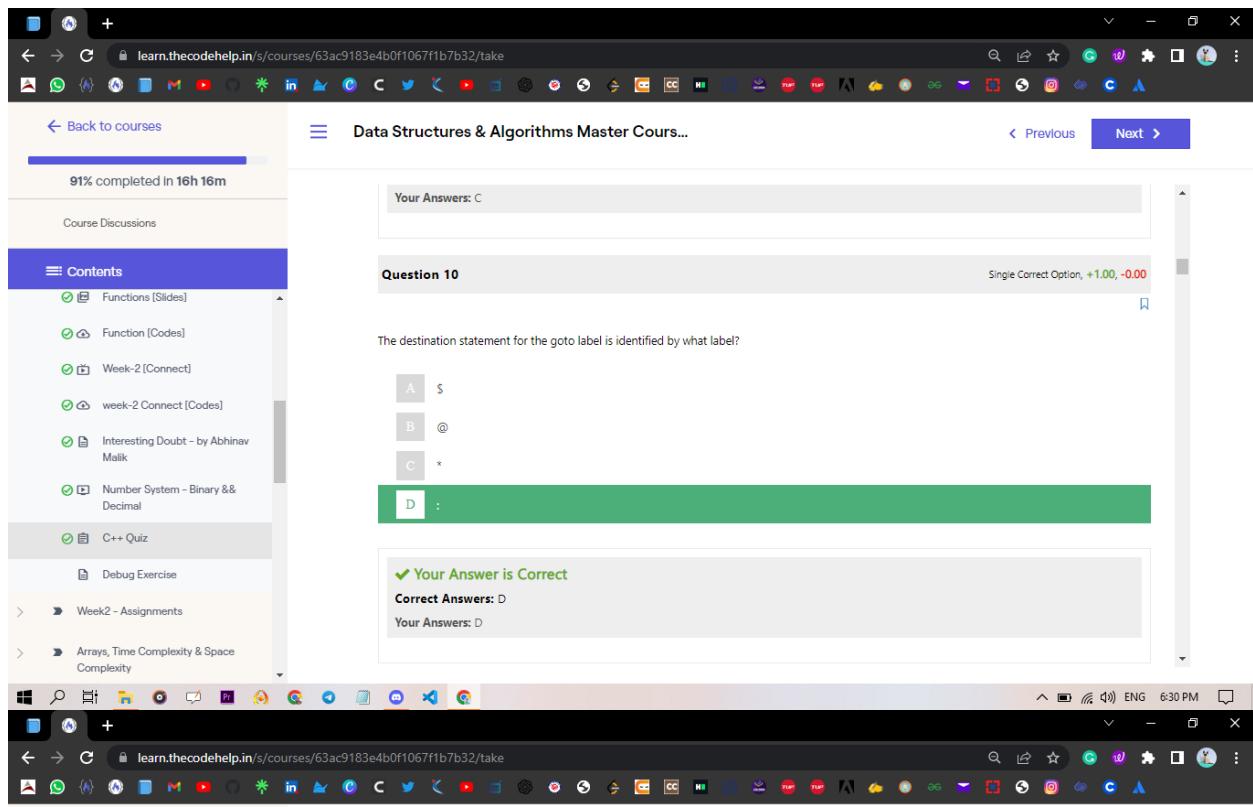
Your Answers: C

Question 10 Single Correct Option, +1.00, -0.00

The destination statement for the goto label is identified by what label?

A \$
B @
C *
D :

✓ Your Answer is Correct
Correct Answers: D
Your Answers: D



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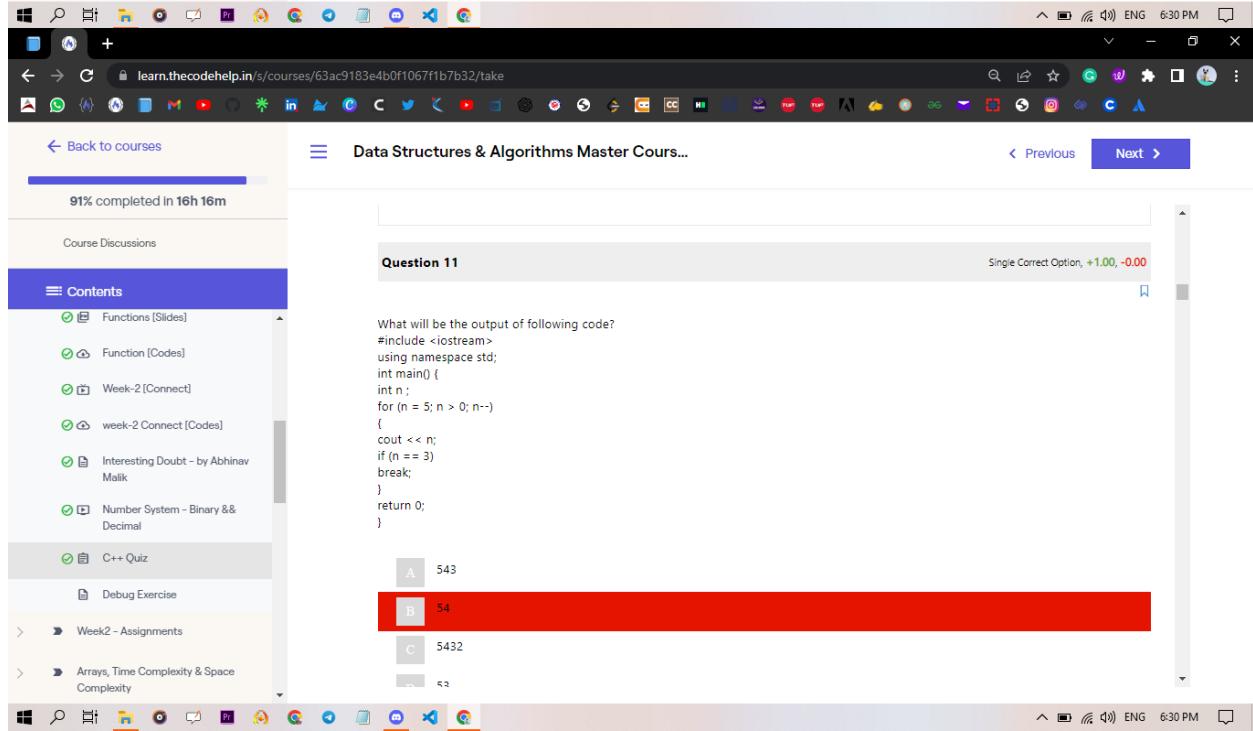
Arrays, Time Complexity & Space Complexity

Question 11 Single Correct Option, +1.00, -0.00

What will be the output of following code?

```
#include <iostream>
using namespace std;
int main() {
    int n ;
    for (n = 5; n > 0; n--)
    {
        cout << n;
        if (n == 3)
            break;
    }
    return 0;
}
```

A 543
B 54
C 5432
D 53



A screenshot of a web browser displaying a course page from learn.thecodehelp.in. The page title is "Data Structures & Algorithms Master Cours...". On the left, a sidebar shows a progress bar at 91% completed in 16h 16m, followed by sections for Course Discussions and Contents. The Contents section includes links for Functions [Slides], Function [Codes], Week-2 [Connect], week-2 Connect [Codes], Interesting Doubt - by Abhinav Malik, Number System - Binary & Decimal, C++ Quiz, Debug Exercise, Week2 - Assignments, and Arrays, Time Complexity & Space Complexity. The main content area displays a C++ code snippet:

```
int n ;
for (n = 5; n > 0; n--)
{
    cout << n;
    if (n == 3)
        break;
}
return 0;
```

Below the code are four options labeled A, B, C, and D, each with a count: A (543), B (54), C (5432), and D (53). A red bar highlights option B. A feedback box below the options states: "Your Answer is Incorrect" with a red X icon, "Correct Answers: A", and "Your Answer: B".

A screenshot of a web browser displaying a course page from learn.thecodehelp.in. The page title is "Data Structures & Algorithms Master Cours...". The sidebar is identical to the first screenshot, showing 91% completed in 16h 16m, Course Discussions, and a Contents section with various links. The main content area displays a new C++ quiz question titled "Question 12" with a note: "Single Correct Option, +1.00, -0.00". The question asks: "What will be the output of following code?". The code is:

```
#include <iostream>
using namespace std;
int main()
{
    int a = 10;
    if (a = 15)
    {
        time();
        cout << a;
        if (n == 3)
            goto time;
    }
    break;
}
```

The code contains several syntax errors, including a missing semicolon after "cout << a;" and a variable "n" used without definition.

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```
}
```

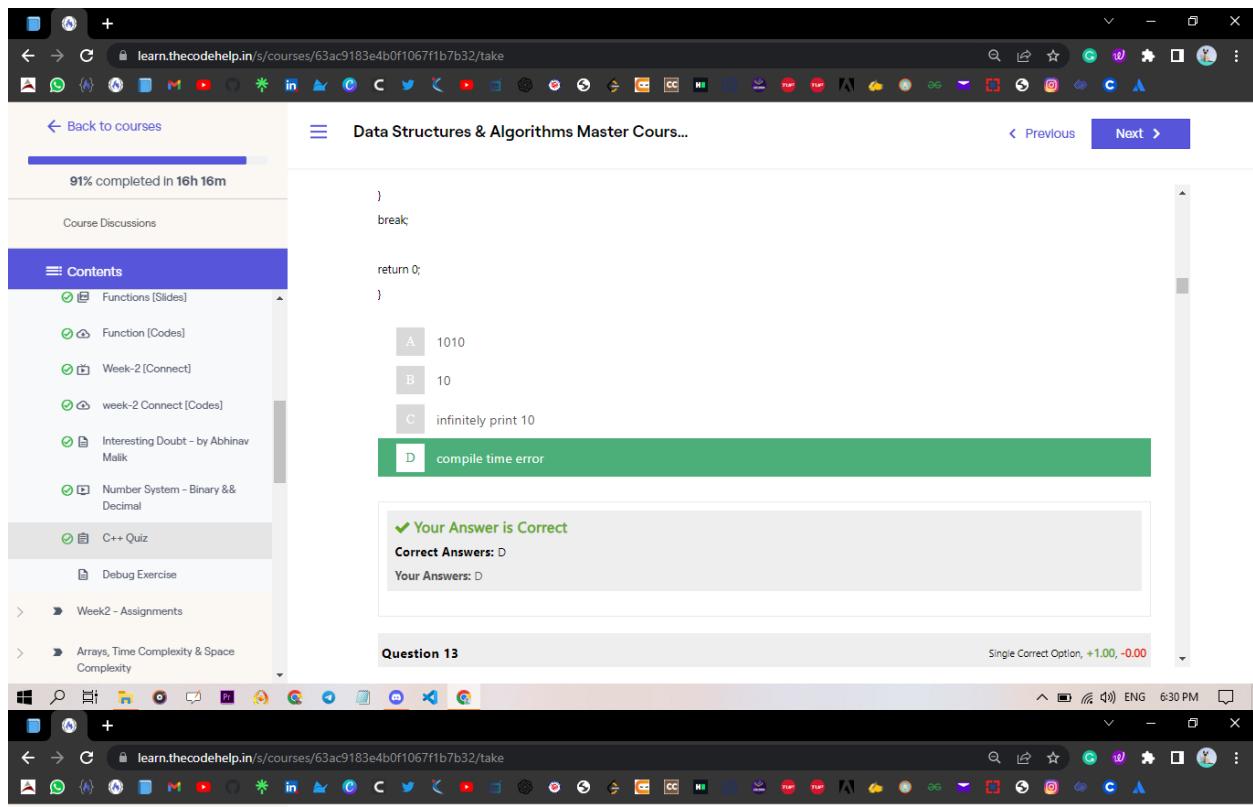
break;

```
return 0;
```

A 1010
B 10
C infinitely print 10
D compile time error

✓ Your Answer is Correct
Correct Answers: D
Your Answers: D

Question 13 Single Correct Option, +1.00, -0.00



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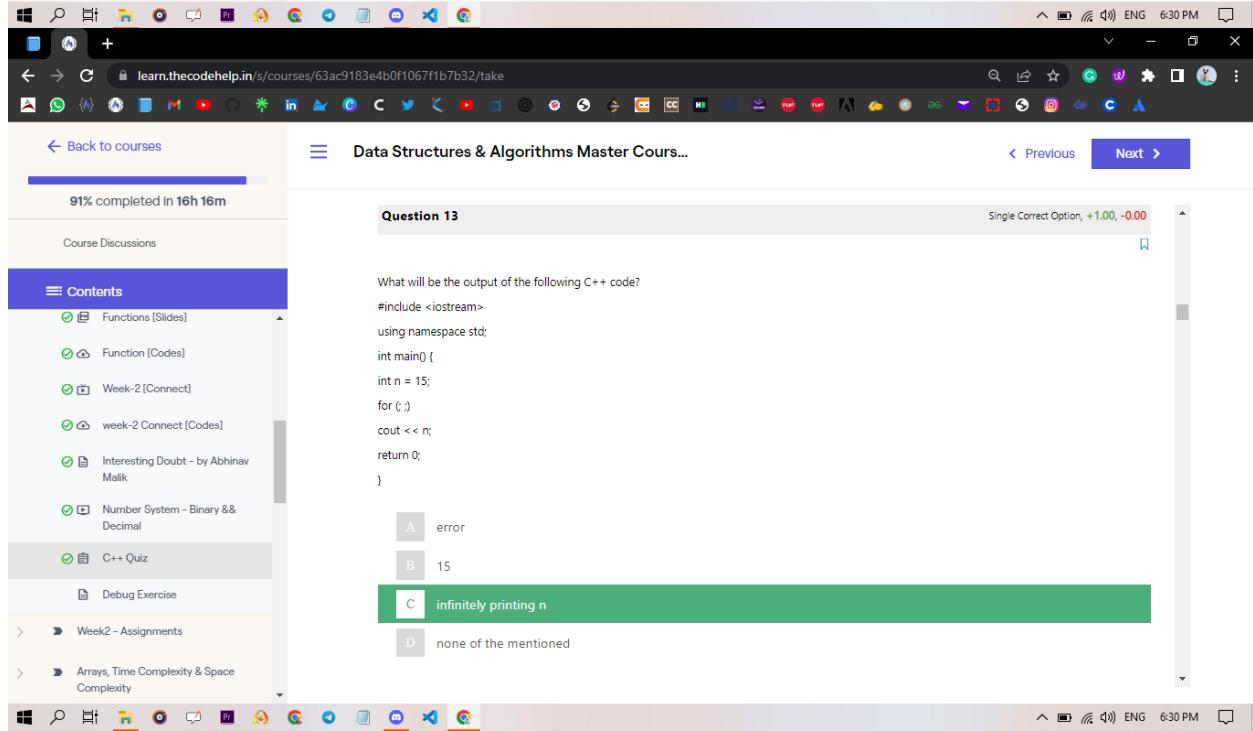
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What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
int main() {
    int n = 15;
    for (; )
        cout << n;
    return 0;
}
```

A error
B 15
C infinitely printing n
D none of the mentioned



The screenshot shows a web browser window displaying a course page from learn.thecodehelp.in. The course is titled "Data Structures & Algorithms Master Cours...". On the left, there is a sidebar with a "Contents" section containing various course modules like Functions [Slides], Function [Codes], Week-2 [Connect], week-2 Connect [Codes], Interesting Doubt - by Abhinav Malik, Number System - Binary & Decimal, C++ Quiz, Debug Exercise, Week2 - Assignments, and Arrays, Time Complexity & Space Complexity. A progress bar at the top indicates "91% completed in 16h 16m".

The main content area displays a question titled "Question 14" with the instruction: "What will be the output of the following C++ code?". The code is:

```
#include <iostream>
using namespace std;
int main() {
    int i;
    for (i = 0; i < 10; i++) {
        cout << i;
    }
    return 0;
}
```

Below the code, the correct answer is shown: "Your Answer is Correct" and "Correct Answers: C". The user's answer was also "C".

At the bottom, a list of options is provided:

- A 123456789
- B 10
- C 12345678910
- D compile time error

The option "D" is highlighted with a red background, indicating it is the selected or correct answer.

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return 0;
}

A 123456789
B 10
C 12345678910
D compile time error

Your Answer is Incorrect
Correct Answers: B
Your Answers: D

Question 15 Single Correct Option, +1.00, -0.00

What will be the output of the following C++ code?
`#include <iostream>`

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What will be the output of the following C++ code?
`#include <iostream>`

```
using namespace std;
int main() {
    int a, b, c;
    a = 2;
    b = 7;
    c = (a > b) ? a : b;
    cout << "c: " << c;
}
return 0;
}
```

A 2
B 7

The screenshot shows a C++ quiz interface on a web browser. The course navigation bar at the top indicates "Data Structures & Algorithms Master Cours..." and "91% completed in 16h 16m". The left sidebar contains a "Contents" section with various course modules like Functions [Slides], Function [Codes], Week-2 [Connect], week-2 Connect [Codes], Interesting Doubt - by Abhinav Malik, Number System - Binary & Decimal, C++ Quiz, Debug Exercise, Week2 - Assignments, and Arrays, Time Complexity & Space Complexity.

The main content area displays a C++ code snippet:

```
c = (a > b) ? a : b;  
cout << "C" << c;  
  
return 0;  
}
```

Below the code, there is a question panel with four options:

- A 2
- B 7**
- C 9
- D 14

A feedback box shows: ✓ Your Answer is Correct. Correct Answers: B. Your Answers: B.

At the bottom, it says Question 16 and Single Correct Option, +1.00, -0.00.

This screenshot shows the same C++ quiz interface, but the user has selected option A ("true") instead of B ("false"). The feedback box now shows: ✗ Your Answer is Wrong. Correct Answers: B. Your Answers: A.

At the bottom, it says Question 16 and Single Correct Option, +1.00, -0.00.

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{
cout << "false: " << endl;
}
return 0;
}

A true
B false
C error
D 10

X Your Answer is Incorrect
Correct Answers: A
Your Answers: C

Question 17 Single Correct Option, +1.00, -0.00

This screenshot shows a C++ quiz question. The code provided is a simple cout statement followed by a return 0;. The question asks for the output. The user selected option C, 'error', which is highlighted in red. Below the question, a message states 'Your Answer is Incorrect' and lists the correct answer as 'A' and the user's answer as 'C'. The question is labeled 'Question 17' and is a single correct option worth +1.00 and -0.00.

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What is the name of | operator?

A sizeof
B or
C and
D modulus

✓ Your Answer is Correct
Correct Answers: B
Your Answers: B

Question 17 Single Correct Option, +1.00, -0.00

This screenshot shows a C++ quiz question asking for the name of the | operator. The correct answer is 'B' (or), which is highlighted in green. Below the question, a message states 'Your Answer is Correct' and lists the correct answer as 'B' and the user's answer as 'B'. The question is labeled 'Question 17' and is a single correct option worth +1.00 and -0.00.

The screenshot shows a web browser window with a quiz interface. The URL is learn.thecodehelp.in/s/courses/63ac9183e4b0f1067f1b7b32/take. The page title is "Data Structures & Algorithms Master Cours...". On the left, there's a sidebar with "Contents" and "Course Discussions". The main area shows "Question 18" with a progress bar at 91% completed in 16h 16m. The question asks for the output of the following C++ code. The code includes declarations for `a`, `b`, `c`, and `d`, assignments, and a cout statement. Below the code, there are two options: "A 5 6" and "B 6 5". The user has selected option A. The bottom status bar shows system icons and the text "ENG 6:31 PM".

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C++ Quiz

Debug Exercise

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Question 18

Single Correct Option, +1.00, -0.00

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
int main() {
    int a = 5, b = 6, c, d;
    c = a, b;
    d = (a,b);
    cout << c << " " << d;
    return 0;
}
```

A 5 6

B 6 5

ENG 6:31 PM

The screenshot shows a course navigation bar at the top with 'Back to courses' and 'Data Structures & Algorithms Master Cours...'. Below it is a progress bar indicating '91% completed In 16h 16m'. The main content area has a sidebar titled 'Contents' listing various topics like Functions [Slides], Function [Codes], Week-2 [Connect], week-2 Connect [Codes], Interesting Doubt - by Abhinav Malik, Number System - Binary & Decimal, and C++ Quiz. The C++ Quiz topic is currently selected. The main content area displays 'Question 19' with the instruction 'What will be the output of the following C++ code?'. The code is as follows:

```
#include <iostream>
using namespace std;
int main() {
    int i, j;
    j = 10;
    i = (j++, j + 100, 999 + j);
    cout << i;
}
return 0;
```

Below the code, there are two options: A) 1000 and B) 11. A green progress bar at the bottom indicates the user has answered correctly.

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```
cout << i;
return 0;
}

A 1000
B 11
C 1010
D 1001
```

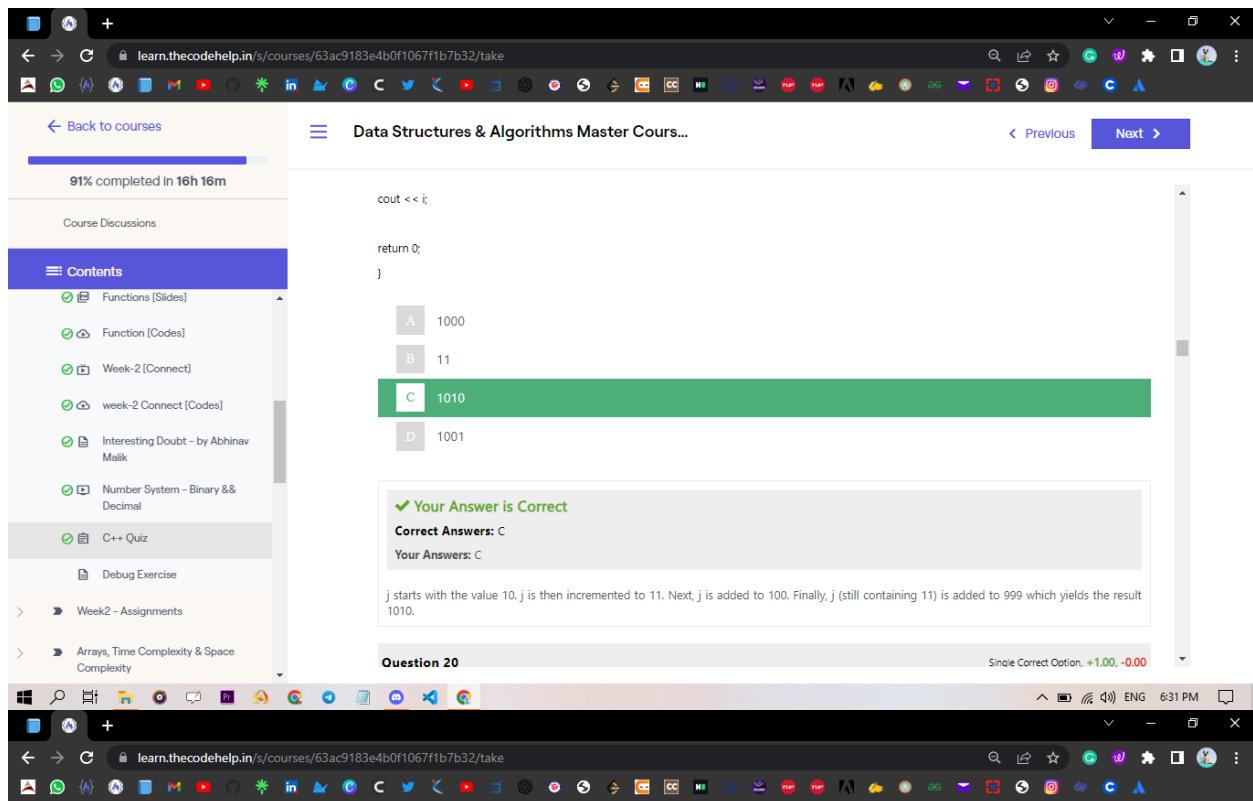
✓ Your Answer is Correct

Correct Answers: C

Your Answers: C

j starts with the value 10. j is then incremented to 11. Next, j is added to 100. Finally, j (still containing 11) is added to 999 which yields the result 1010.

Question 20 Single Correct Option, +1.00, -0.00



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Question 20 Single Correct Option, +1.00, -0.00

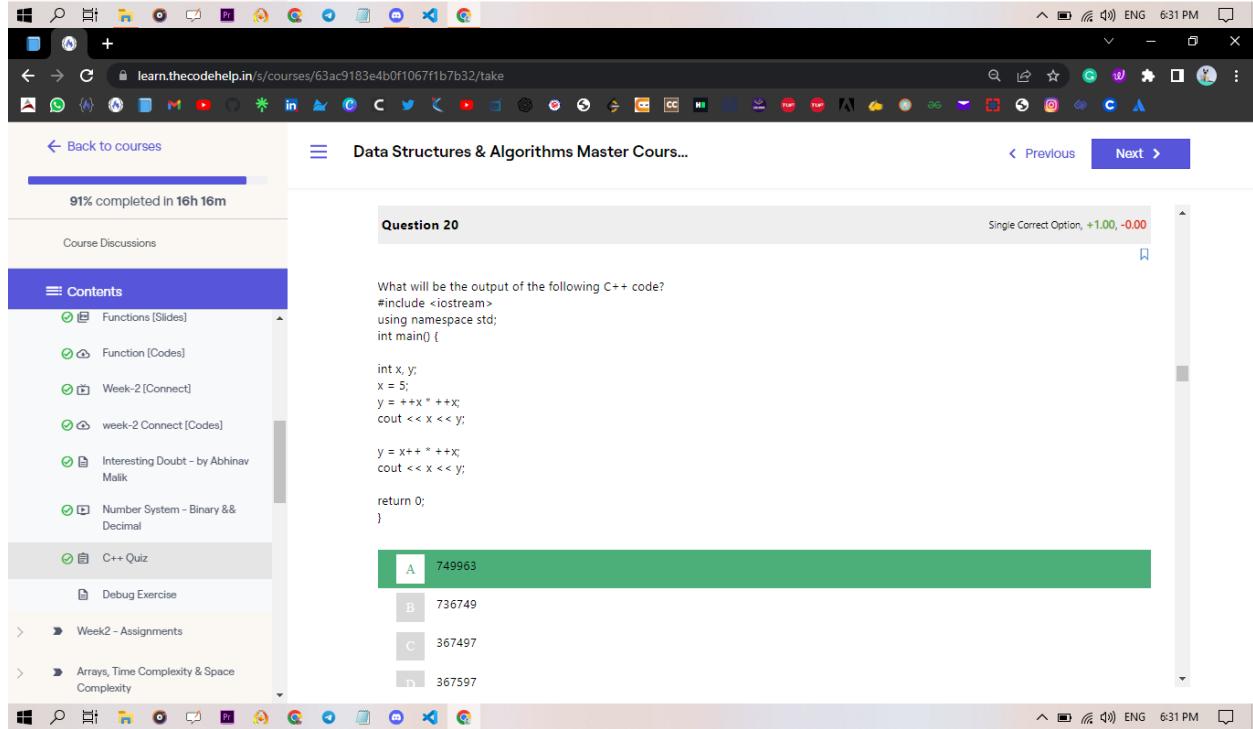
What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
int main() {
    int x, y;
    x = 5;
    y = ++x * ++x;
    cout << x << y;

    y = x++ * ++x;
    cout << x << y;

    return 0;
}
```

A 749963
B 736749
C 367497
D 367597



The screenshot shows a web browser window with the URL learn.thecodehelp.in/s/courses/63ac9183e4b0f1067f1b7b32/take. The page title is "Data Structures & Algorithms Master Cours...". On the left, there's a sidebar with a progress bar at 91% completed in 16h 16m, sections for "Course Discussions" and "Contents" (including "Functions [Slides]", "Function [Codes]", "Week-2 [Connect]", "week-2 Connect [Codes]", "Interesting Doubt - by Abhinav Malik", "Number System - Binary & Decimal", "C++ Quiz", "Debug Exercise", "Week2 - Assignments", and "Arrays, Time Complexity & Space Complexity"). The main content area is titled "Question 21" with a note "Single Correct Option, +1.00, -0.00". It displays the following C++ code:

```
#include <iostream>
using namespace std;
int main() {
    double a = 21.09399;
    float b = 10.20;
    int c, d;
    c = (int) a;
    d = (int) b;
    cout << c << " " << d;
    return 0;
}
```

Below the code, there are four answer options: A (20 10), B (10 21), C (21 10), and D (10 20). The correct answer, C (21 10), is highlighted with a green background.

This screenshot shows the same web browser window after the user has submitted their answer. The message "Your Answer is Correct" is displayed in a green box along with "Correct Answers: C" and "Your Answers: C". The browser's status bar at the bottom indicates it's 6:31 PM.

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Question 22 Single Correct Option, +1.00, -0.00

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
int main() {
    int a = 20, b = 10, c = 15, d = 5;
    int e;
    e = a + b * c / d;
    cout << e << endl;
    return 0;
}
```

A 50
B 60
C 70
D 90

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Question 23 Single Correct Option, +1.00, -0.00

Where does the execution of the program starts?

A fun()
B main()
C void()
D else function

✓ Your Answer is Correct
Correct Answers: B
Your Answers: B

Question 24 Single Correct Option, +1.00, -0.00

The screenshot shows a web browser displaying a course page from [learn.thecodehelp.in](https://learn.thecodehelp.in/s/courses/63ac9183e4b0f1067f1b7b32/take). The course is titled "Data Structures & Algorithms Master Cours...".

Question 24: What are mandatory parts in the function declaration?

Single Correct Option, +1.00, -0.00

A return type, function name
B return type, function name, parameters
C parameters, function name
D parameters, variables

Your Answer is Correct
Correct Answers: A
Your Answers: A

Question 25: Which is more effective while calling the functions?

Single Correct Option, +1.00, -0.00

A call by value
B call by reference
C call by pointer
D call by object

Your Answer is Incorrect
Correct Answers: B
Your Answers: A

In the call by reference, it will just pass the reference of the memory addresses of passed values rather than copying the value to new memories which reduces the overall time and memory use.

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> Arrays, Time Complexity & Space Complexity

Question 26 Single Correct Option, +1.00, -0.00

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
void car()
cout << "Audi R8";
}
int main()
car();
return 0;
}
```

A Audi R8

B Audi R8Audi R8

C compile time error

Debug Exercise ENG 6:32 PM

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car();

return 0;

Audi R8

B Audi R8Audi R8

C compile time error

D runtime error

✗ Your Answer is Incorrect

Correct Answers: C

Your Answers: A

Expected braces like car()

Question 27 Single Correct Option, +1.00, -0.00

Debug Exercise ENG 6:32 PM

The screenshot shows a web browser window displaying a course page from learn.thecodehelp.in. The course is titled "Data Structures & Algorithms Master Cours...". On the left, there's a sidebar with a progress bar indicating "91% completed in 16h 16m" and a "Contents" section listing various course modules. The main content area displays a question titled "Question 27" with the following text:

Expected braces like car()

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
void fun(int x, int y){
    x = 20;
    y = 10;
}
int main() {
    int x = 10;
    fun(x, x);
    cout << x;
    return 0;
}
```

The question has a "Single Correct Option, +1.00, -0.00" rating. Below the question, there are four answer options labeled A, B, C, and D, each with a numerical value:

- A 10
- B 20
- C compile time error
- D 30

The option "B 20" is highlighted with a red background, indicating it was selected by the user. A message box at the bottom left states "Your Answer is Incorrect" and "Correct Answers: A". The message also notes: "In this program, we called by value so the value will not be changed. So the output is 10".

The screenshot shows a web browser window with a course interface. On the left, a sidebar displays course statistics (91% completed in 16h 16m) and a contents menu. The main area is titled "Data Structures & Algorithms Master Cours..." and shows a "Question 28" section. The question asks for the output of a C++ code snippet:

```
#include <iostream>
using namespace std;
int fun(int x = 0, int y = 0, int z){
    return (x + y + z);
}
int main() {
    cout << fun(10);
}
```

The question has a red background with a blue button labeled "A 10". Below it are other options: "B 0", "C error", and "D Garbage value".

The screenshot shows the same web browser window after an attempt was made. The question and code remain the same. The user's answer "A 10" is highlighted in a red box. A message box at the bottom left indicates "Your Answer is Incorrect" and lists the "Correct Answers: C" and "Your Answers: A". A note below states: "Default arguments should always be declared at the rightmost side of the parameter list but the above function has a normal variable at the rightmost side which is a syntax error, therefore the function gives an error."

The screenshot shows a web browser window with the URL learn.thecodehelp.in/s/courses/63ac9183e4b0f1067f1b7b32/take. The page title is "Data Structures & Algorithms Master Cours...". On the left, there's a sidebar with course navigation and a "Contents" section. The main content area displays a quiz question titled "Question 29" with the instruction "Single Correct Option, +1.00, -0.00". The question asks: "What will be the output of the following C++ code?" followed by a code snippet. Below the code are four options: A (-5), B (0), C (10), and D (5). Option C is highlighted with a red background, indicating it is the user's answer.

```
#include <iostream>
using namespace std;
int fun(int = 0, int = 0);
int main() {
    cout << fun(5);
    return 0;
}
int fun(int x, int y){
    return (x + y);
}
```

A -5
B 0
C 10
D 5

This screenshot shows the same web browser window after the user has submitted their answer. The page title is "Data Structures & Algorithms Master Cours...". The main content area now displays a message: "Your Answer is Incorrect" with a red cross icon, "Correct Answers: D", and "Your Answers: C". Below this, an explanation is provided: "Explanation: C++ allows to define such prototype of the function in which you are not required to give variable names only the default values. While in function definition you can provide the variable names corresponding to each parameter." The browser status bar at the bottom shows "ENG 6:32 PM".

return 0;
}
int fun(int x, int y){
 return (x + y);
}

A -5
B 0
C 10
D 5

✗ Your Answer is Incorrect
Correct Answers: D
Your Answers: C

Explanation: C++ allows to define such prototype of the function in which you are not required to give variable names only the default values. While in function definition you can provide the variable names corresponding to each parameter.

The screenshot shows a web browser displaying a course page from [learn.thecodehelp.in](https://learn.thecodehelp.in/s/courses/63ac9183e4b0f1067f1b7b32/take). The course is titled "Data Structures & Algorithms Master Cours...".

Question 30: What is the decimal equivalent of the binary number 1001?

Options: A) 8, B) 9, C) 10, D) 11

Your Answer is Correct

Correct Answers: B
Your Answers: R

Question 31: What is the binary equivalent of the decimal number 13?

Options: A) 1101, B) 1100, C) 1011, D) 1110

Your Answer is Correct

Correct Answers: A
Your Answers: A

Question 32: (Question text not visible)

Single Correct Option, +1.00, -0.00

The browser interface includes a navigation bar at the top with various icons, and a taskbar at the bottom showing open applications like File Explorer, Edge, and Google Chrome.

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How many minimum bits are needed to represent the decimal number 15 in binary form?

A 3
B 4
C 5
D 6

✓ Your Answer is Correct
Correct Answers: B
Your Answers: B

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What is the decimal equivalent of the binary number 1111?

A 7
B 8
C 15
D 16

✓ Your Answer is Correct
Correct Answers: C
Your Answers: C

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What is the decimal equivalent of the binary number 1111?

A 7
B 8
C 15
D 16

✓ Your Answer is Correct
Correct Answers: C
Your Answers: C

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Week2 - Assignments

Arrays, Time Complexity & Space Complexity

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Your Answers: C

Question 34

Single Correct Option, +1.00, -0.00

How many bits are required to represent INT in C++?

A 32

B 31

C 16

D 100

✓ Your Answer is Correct

Correct Answers: A

Your Answers: A

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Week2 - Assignments

Arrays, Time Complexity & Space Complexity

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Question 35

Single Correct Option, +1.00, -0.00

What will be the output of the following C code?

```
#include <stdio.h>
void main()
{
    int a = 5, b = -7, c = 0, d;
    d = ++a && ++b || ++c;
    printf("\n%d%d%d%d", a, b, c, d);
}
```

A 6 -6 0 0

B 6 -5 0 1

C 6 6 6 6

D 6 -6 0 1

The screenshot shows a web browser displaying a course page from learn.thecodehelp.in. The course is titled "Data Structures & Algorithms Master Cours...". The user has completed 91% of the course in 16h 16m.

Question 36: What will be the output of the following C code?

```
void main()
{
    int a = -5;
    int k = (a++, ++a);
    printf("%d\n", k);
}
```

Correct Answers: D
Your Answers: B

Single Correct Option, +1.00, -0.00

Question 37: Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
int main()
{
    if (~0 == 1)
        printf("yes\n");
    else
        printf("no\n");
}
```

A yes
B no
C error
D undefined

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javascript:void(0);

Question 38 Single Correct Option, +1.00, -0.00

#include <stdio.h>
int main()
{
 int x = -2;
 if (0 == 1)
 printf("yes\n");
 else
 printf("no\n");
}

B no
C error
D undefined

✖ Your Answer is Incorrect
Correct Answers: B
Your Answers: C

Question 38 Single Correct Option, +1.00, -0.00

#include <stdio.h>
int main()
{
 int x = -2;
 if (0 == 1)
 printf("yes\n");
 else
 printf("no\n");
}

A yes
B no
C error
D undefined

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javascript:void(0);

Question 38 Single Correct Option, +1.00, -0.00

#include <stdio.h>
int main()
{
 int x = -2;
 if (0 == 1)
 printf("yes\n");
 else
 printf("no\n");
}

A yes
B no
C error
D undefined

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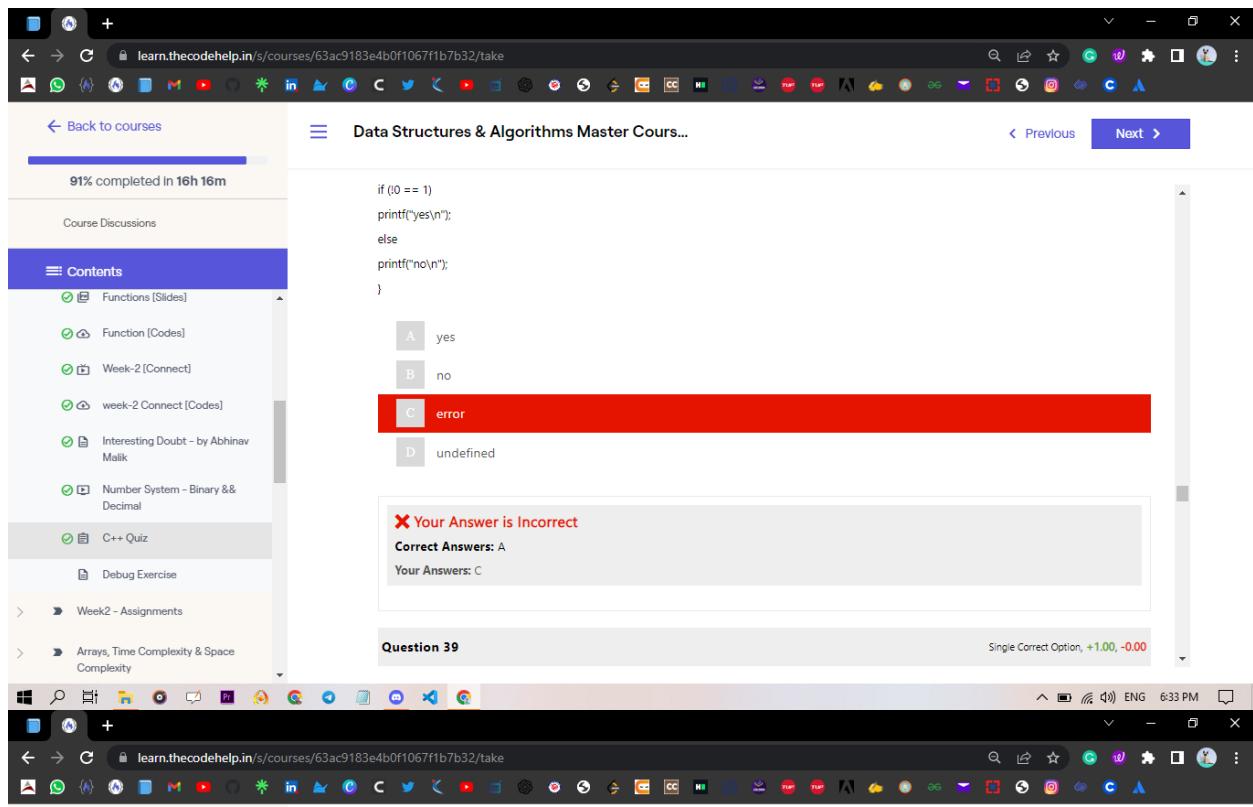
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```
if (0 == 1)
printf("yes\n");
else
printf("no\n");
}
```

A yes
B no
C error
D undefined

✗ Your Answer is Incorrect
Correct Answers: A
Your Answers: C

Question 39 Single Correct Option, +1.00, -0.00



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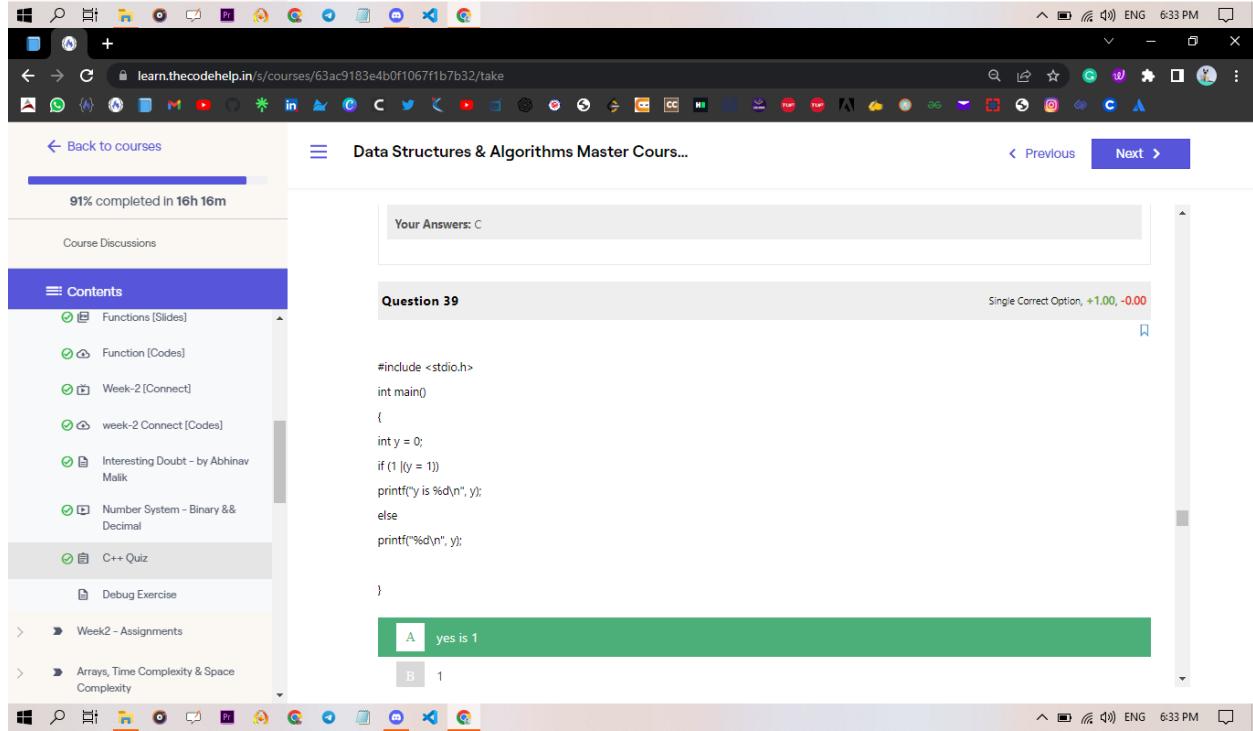
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Your Answers: C

Question 39 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
int main()
{
int y = 0;
if (1 |y = 1))
printf("y is %d\n", y);
else
printf("%d\n", y);
}
```

A yes is 1
B 1



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Question 40 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
int main()
{
    int y = 1;
    if (y & (y = 2))
        printf("true %d\n", y);
    else
        printf("false %d\n", y);
}
```

A true 2
B false 2
C either true 2 or false 2
D true 1

true 2

Question 40 Single Correct Option, +1.00, -0.00

```
printf("false %d\n", y);
```

A true 2
B false 2
C either true 2 or false 2
D true 1

false 2

Your Answer is Incorrect

Correct Answers: C

Your Answers: B

It's either true or false, depending on the compiler.

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Question 41 Single Correct Option, +1.00, -0.00

```
printf("false %d\n", y);
```

A true 2
B false 2
C either true 2 or false 2
D true 1

false 2

Your Answer is Incorrect

Correct Answers: C

Your Answers: B

It's either true or false, depending on the compiler.

The screenshot shows a web browser window displaying a course page from learn.thecodehelp.in. The course is titled "Data Structures & Algorithms Master Cours...". On the left, there's a sidebar with a "Contents" section containing links to "Functions [Slides]", "Function [Codes]", "Week-2 [Connect]", "week-2 Connect [Codes]", "Interesting Doubt - by Abhinav Malik", "Number System - Binary & Decimal", "C++ Quiz", "Debug Exercise", "Week2 - Assignments", and "Arrays, Time Complexity & Space Complexity". A progress bar at the top indicates "91% completed in 16h 16m".

The main content area displays "Question 41" with the following code:

```
#include <stdio.h>
int main()
{
    int a = 10, b = 5, c = 5;
    int d;
    d = b + c == a;
    printf("%d", d);
}
```

The question asks for the output of the code. The options are:

- A syntax error
- B 1
- C 5
- D 10

The user selected option A, "syntax error". A red box highlights this choice. Below the question, a message states: "Your Answer is Incorrect" and "Correct Answers: B".

At the bottom, another question is partially visible: "Question 42" with the code "#include <stdio.h> int main()".

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Arrays, Time Complexity & Space Complexity

Question 42 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
int main()
{
    int a = 10, b = 5, c = 3;
    b != a;
    c == a;
    printf("%d\n%d", b, c);
}
```

A 5 1
B 0 3
C 5 3
D 1 1

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Your Answer is Incorrect
Correct Answers: A
Your Answers: B

Question 43 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
void main()
{
    float v = 0.1;
```

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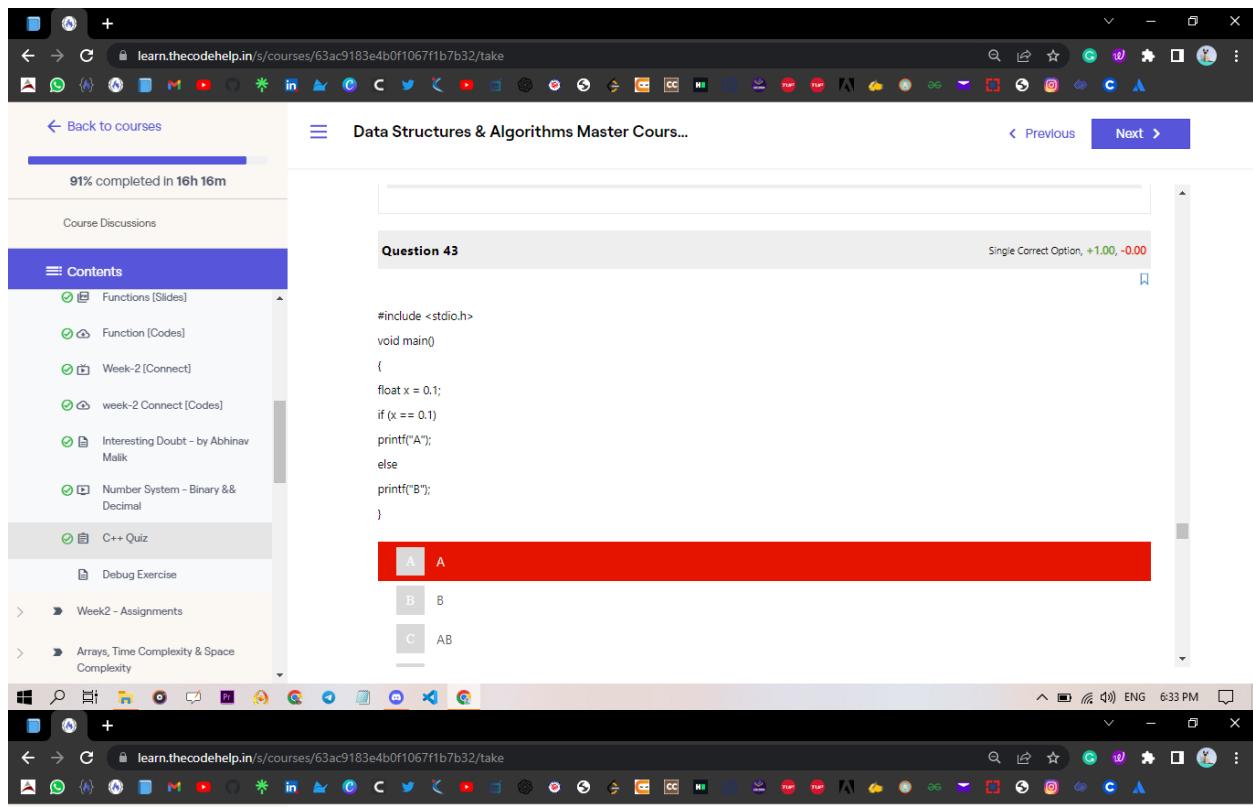
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Question 43 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
void main()
{
    float x = 0.1;
    if (x == 0.1)
        printf("A");
    else
        printf("B");
}
```

A B AB



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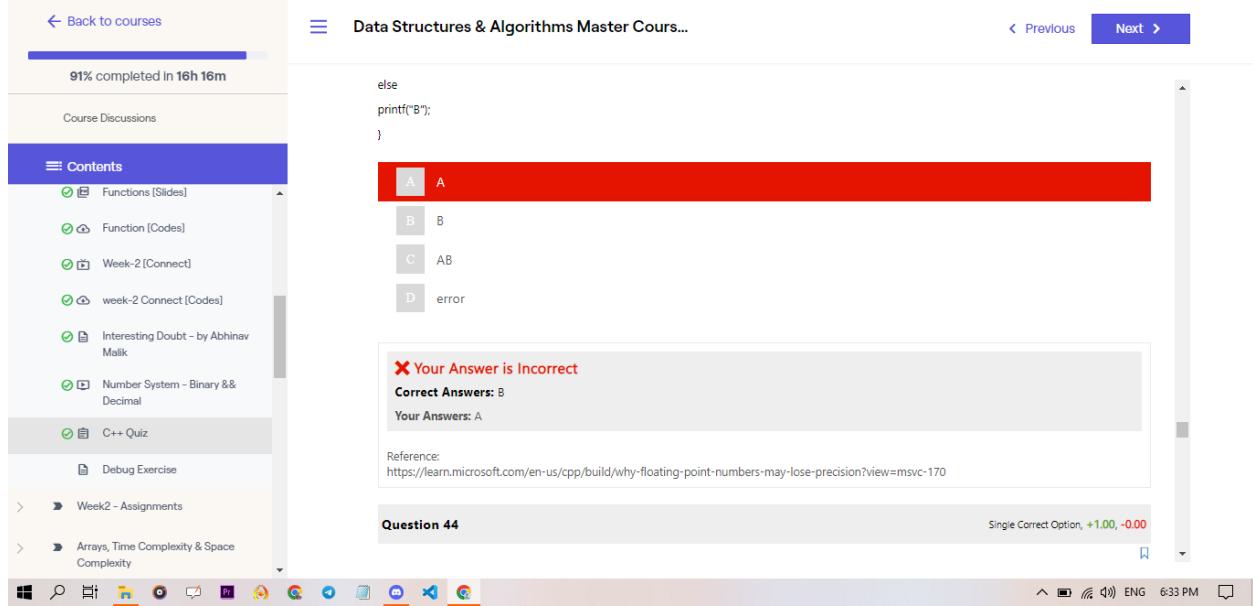
else
printf("B");
}

A B AB error

Your Answer is Incorrect
Correct Answers: B
Your Answers: A

Reference:
<https://learn.microsoft.com/en-us/cpp/build/why-floating-point-numbers-may-lose-precision?view=msvc-170>

Question 44 Single Correct Option, +1.00, -0.00



The image shows two consecutive screenshots of a web-based C++ quiz interface from the website learn.thecodehelp.in.

Screenshot 1 (Top): Question 44

Question 44: Single Correct Option, +1.00, -0.00

Reference: <https://learn.microsoft.com/en-us/cpp/build/why-floating-point-numbers-may-lose-precision?view=msvc-170>

Code:

```
#include <stdio.h>
void main()
{
    float x = 0.1;
    printf("%d, ", x);
    printf("%f", x);
}
```

Options:

- A 0.100000, junk value
- B junk value, 0.100000
- C 0, 0.100000
- D 0.999999

Screenshot 2 (Bottom): Question 45

Question 45: Single Correct Option, +1.00, -0.00

Code:

```
#include <stdio.h>
int main()
{
    int c = 2 ^ 3;
    printf("%d\n", c);
}
```

Options:

- A 1
- B 8
- C 9
- D 0

Feedback:

✖ Your Answer is Incorrect
Correct Answers: A

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Week2 - Assignments

Arrays, Time Complexity & Space Complexity

Question 46 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
int main()
```

A 1
B 8
C 9
D 0

Your Answer is Incorrect
Correct Answers: A
Your Answers: B

Question 46 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
int main()
```

A -9
B -10
C -11
D 10

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Arrays, Time Complexity & Space Complexity

Question 46 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
int main()
{
    unsigned int a = 10;
    a = ~a;
    printf("%d\n", a);
}
```

A -9
B -10
C -11
D 10

Your Answer is Incorrect
Correct Answers: C

Question 46 Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
int main()
```

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B -10

C -11

D 10

Your Answer is Incorrect

Correct Answers: C

Your Answers: B

Question 47

Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
void main()
{
    int x = 97;
    int y = sizeof(x++);
    printf("x is %d", x);
}
```

A x is 97

B x is 98

C x is 99

D runtime error

Your Answer is Incorrect

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Question 47

Single Correct Option, +1.00, -0.00

```
#include <stdio.h>
void main()
{
    int x = 97;
    int y = sizeof(x++);
    printf("x is %d", x);
}
```

A x is 97

B x is 98

C x is 99

D runtime error

Your Answer is Incorrect

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int y = sizeof(x++);
printf("x is %d", x);
}

A x is 97
B x is 98
C x is 99
D runtime error

Your Answer is Incorrect
Correct Answers: A
Your Answers: B

Question 48 Single Correct Option, +1.00, -0.00

This screenshot shows a C++ quiz question. The code `int y = sizeof(x++); printf("x is %d", x);` is displayed. The output is shown in four options: A (x is 97), B (x is 98, highlighted in red), C (x is 99), and D (runtime error). A message box indicates the answer is incorrect, showing the correct answer as A and the user's answer as B. The question is labeled 'Question 48' with a single correct option worth +1.00 and -0.00.

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int main()
{
int a=3;

switch(a)
{
case 0: printf("0 ");
case 3: printf("3 ");
case 5: printf("5 ");
default: printf("RABBIT ");
}

a=10;
switch(a)
{
case 0: printf("0 ");
case 3: printf("3 ");
case 5: printf("5 ");
default: printf("RABBIT "); break;
}

This screenshot shows a C++ quiz question. The code `int main(){ int a=3; switch(a){ case 0: printf("0 "); case 3: printf("3 "); case 5: printf("5 "); default: printf("RABBIT "); } a=10; switch(a){ case 0: printf("0 "); case 3: printf("3 "); case 5: printf("5 "); default: printf("RABBIT "); break; }` is displayed. The question is labeled 'Question 48' with a single correct option worth +1.00 and -0.00.

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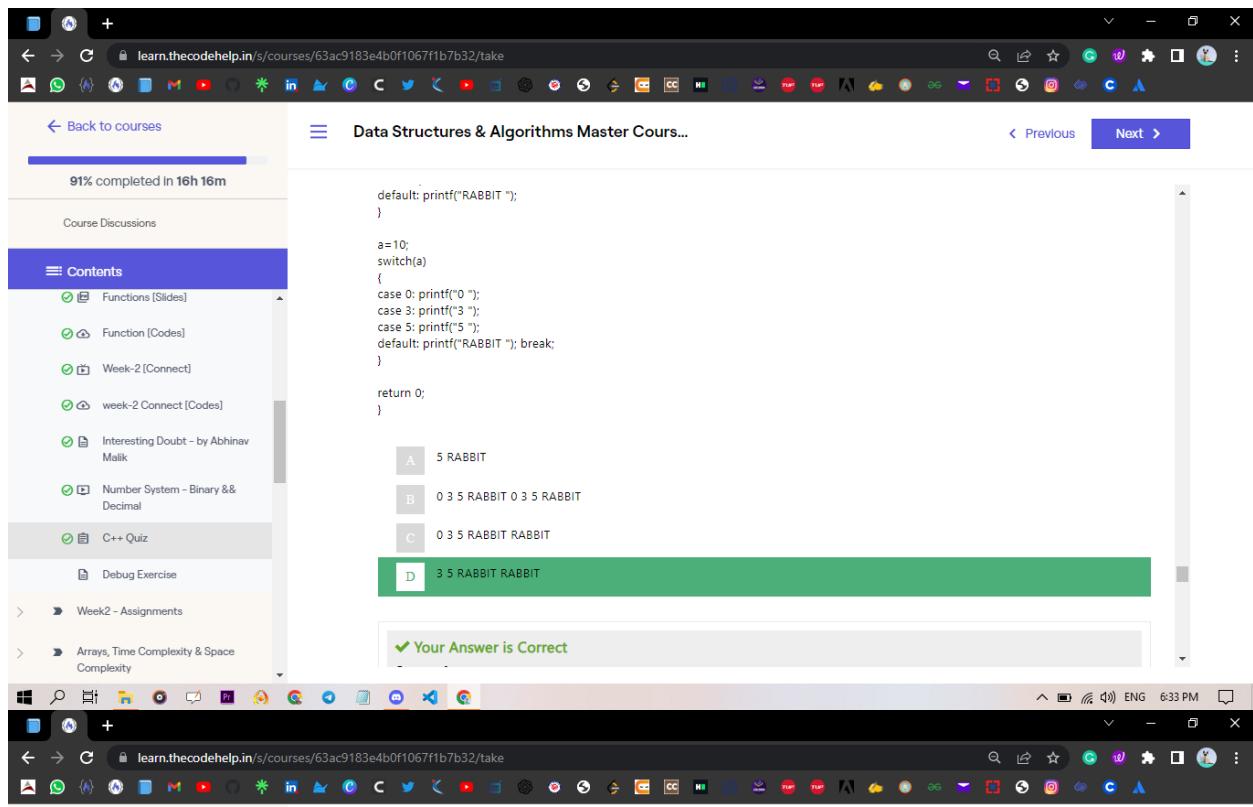
```
default: printf("RABBIT ");
}

a=10;
switch(a)
{
case 0: printf("0 ");
case 3: printf("3 ");
case 5: printf("5 ");
default: printf("RABBIT "); break;
}

return 0;
```

A 5 RABBIT
B 0 3 5 RABBIT 0 3 5 RABBIT
C 0 3 5 RABBIT RABBIT
D 3 5 RABBIT RABBIT

✓ Your Answer is Correct



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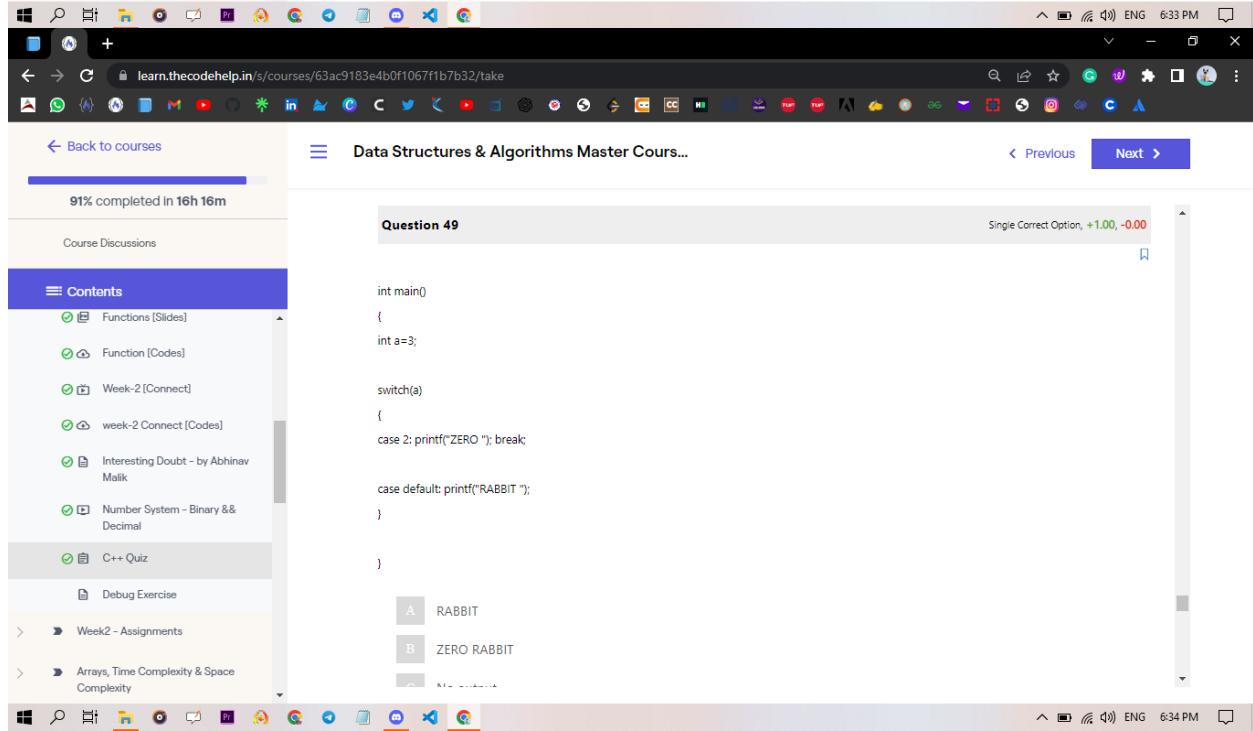
Question 49 Single Correct Option, +1.00, -0.00

```
int main()
{
int a=3;

switch(a)
{
case 2: printf("ZERO "); break;

case default: printf("RABBIT ");
}
```

A RABBIT
B ZERO RABBIT
C RABBIT ZERO
D ZERO RABBIT



The screenshot displays two identical web pages from the course "Data Structures & Algorithms Master Course" on the website learn.thecodehelp.in. The course progress bar indicates 91% completion in 16h 16m.

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Right Panel (Question 50):

Code Snippet:

```
case default: printf("RABBIT ");
}
```

Options:

- A RABBIT
- B ZERO RABBIT
- C No output
- D Compilation error** (highlighted in green)

Feedback:

✓ Your Answer is Correct
Correct Answers: D
Your Answers: D

Notice that it is "default" not "case default".

Question 50 Single Correct Option, +1.00, -0.00

Bottom Panel (Question 50):

Code Snippet:

```
int main()
{
    int a=3;

    switch(a)
    {

        printf("MySwitch");
    }
}
```

Options:

- A MySwitch** (highlighted in grey)

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```
printf("MySwitch");  
}  
  
A MySwitch  
B no output  
C compile time error  
D none of the mentioned
```

Your Answer is Incorrect
Correct Answers: A
Your Answers: C

Question 51 Single Correct Option, +1.00, -0.00

```
int main()
```

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```
int main()  
{  
    int a;  
  
    switch(a)  
    {  
        printf("APACHE ");  
    }  
  
    printf("HEROHONDA");  
}
```

A APACHE HEROHONDA
B HEROHONDA
C compile time error

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```
switch(a)
{
    printf("APACHE ");
}

printf("HEROHONDA");
}
```

A APACHE HEROHONDA
B HEROHONDA
C compile time error
D none of the mentioned

Your Answer is Incorrect
Correct Answers: B
Your Answers: C

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Notice the missing CASE or DEFAULT statements. Still compiler accepts. But without CASE statement nothing will be printed inside of SWITCH.

Question 52 Single Correct Option, +1.00, -0.00

```
int main()
{
    int a;

    switch(a);
    {
        printf("DEER ");
    }

    printf("LION");
}
```

A LION
B DFFR LION

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printf("DEER ");
}

printf("LION");
}

A LION
B DEER LION
C compile time error
D none of the mentioned

Your Answer is Incorrect
Correct Answers: B
Your Answers: D

Notice a semicolon at the end of switch(a); So, printf DEER is out of SWITCH.

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Question 53 Single Correct Option, +1.00, -0.00

```
int main()
{
    char code='A';

    switch(code)
    {
        case 64+1: printf("ANT ");break;
        case 8*8+4: printf("KING "); break;
        default: printf("NOKING");
    }

    printf("PALACE");
}
```

A ANT KING PALACE
B KING PALACE

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```
switch(code)
{
    case 64+1: printf("ANT ");break;
    case 8*4: printf("KING "); break;
    default: printf("NOKING");
}

printf("PALACE");
```

A ANT KING PALACE
B KING PALACE
C ANT PALACE
D ERROR

Your Answer is Incorrect
Correct Answers: C

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D ERROR

Your Answer is Incorrect
Correct Answers: C
Your Answers: B

ASCII value of 'A' is 65. So (64+1) matches A. Also expression leading to integers can be used as CASE Constants.

Question 54 Single Correct Option, +1.00, -0.00

```
int main()
{
    int k=8;

    switch(k)
    {
        case 1==8: printf("ROSE ");break;
        case 1 && 2: printf("JASMINE "); break;
    }
}
```

Windows taskbar: ENG 6:34 PM

The image displays two consecutive screenshots of a web-based C++ quiz from the course "Data Structures & Algorithms Master Course".

Screenshot 1: The user has selected "Question 54". The code shown is:

```
int main()
{
    int k=8;

    switch(k)
    {
        case 1==8: printf("ROSE ");break;
        case 1 && 2: printf("JASMINE ");break;
        default:printf("FLOWER ");
    }

    printf("GARDEN");
}
```

The correct answer, "ROSE GARDEN", is highlighted in a red bar at the bottom.

Screenshot 2: The user has selected "Question 54" again. The code shown is identical to the first screenshot.

The options for the question are:

- A ROSE GARDEN
- B JASMINE GARDEN
- C FLOWER GARDEN
- D none of the mentioned

The user's answer is marked as incorrect, and the correct answer is listed as "C". A note below explains that the condition $(1==8)$ is false i.e. 0, while $(1&2)$ is true AND true i.e. true i.e. 1. It states that case allowed first ZERO 0 and then ONE 1. All integer constants are allowed for SWITCH Case Constants.

The screenshot shows a web browser window with a course interface. The URL is learn.thecodehelp.in/s/courses/63ac9183e4b0f1067f1b7b32/take. The course title is "Data Structures & Algorithms Master Cours...". On the left, there's a sidebar with a progress bar at 91% completed in 16h 16m, sections like "Course Discussions" and "Contents" (including "Functions [Slides]", "Function [Codes]", "Week-2 [Connect]", "week-2 Connect [Codes]", "Interesting Doubt - by Abhinav Malik", "Number System - Binary & Decimal", "C++ Quiz", "Debug Exercise", "Week2 - Assignments", and "Arrays, Time Complexity & Space Complexity"). The main content area displays a question titled "Question 55" with the instruction "Case Constants." and a code snippet:

```
int main()
{
switch(24.5)
{
case 24.5: printf("SILVER ");break;
case 25.0: printf("GOLD "); break;
default: printf("TIN ");
}

printf("COPPER");
}
```

The question has two options: A) SILVER COPPER (selected) and B) TIN COPPER.

This screenshot shows the same browser window after an attempt. The question and code snippet are identical to the first screenshot. The options A) SILVER COPPER and B) TIN COPPER are shown again. Below them, options C) COPPER and D) compile time error are listed. A red box highlights the "Your Answer is Incorrect" message, which states "Correct Answers: D" and "Your Answers: A". A note below says "You can not use float, double or Strings inside Switch or Switch CASE." The system status bar at the bottom shows ENG and 6:34 PM.