cs120f19-a.sg

You are logged in as GOH Wei Zhe (Logout)

You are here

- DigiPen
- / ▶ cs120f19-a
- / ▶ Quizzes
- / ▶ Reading Quiz (Chapter 5 of textbook)
- / ▶ Review of attempt 4

Reading Quiz (Chapter 5 of textbook)

Review of attempt 4

Finish review

Started on	Sunday, 6 October 2019, 05:19 AM
Completed on	Sunday, 6 October 2019, 05:29 AM
Time taken	9 mins 26 secs
Marks	50/50
Grade	**100** out of a maximum of 100 (**100**%)

Question 1
Marks: 1/1
Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 15, b = 6, c = 5, d;

d = a*b==c;
printf("%d", d);
```

Answer:

0

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	0	05:20:04 on 6/10/19	1	1
2	**Close&Grade**	**0**	**05:29:16 on 6/10/19**	**1**	**1**

Question 2
Marks: 1/1
Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 15, b = 6, c = 5, d;

d = a>b<c;
printf("%d", d);
```

Answer:

1

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:20:11 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 3
Marks: 1/1

Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 5, b = 16, c = 10, d;

d = a<b==b<c;
printf("%d", d);
```

Answer:

0

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	0	05:20:18 on 6/10/19	1	1
2	**Close&Grade**	**0**	**05:29:16 on 6/10/19**	**1**	**1**

Question 4

Marks: 1/1

Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 5, b = 16, c = 10, d;

d = a%b+a<=c;
printf("%d", d);
```

Answer:

1

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:20:28 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 5

Marks: 1/1

Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 15, b = 10, c = 5, d;

d = !a>!b<=!c;
printf("%d", d);
```

Answer:

1

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:20:38 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 6

Marks: 1/1

Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 15, b = 10, c = 5, d;

d=!!a+!b+!!c;
printf("%d", d);
```

Answer:

2

Correct

Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	2	05:20:46 on 6/10/19	1	1
2	**Close&Grade**	**2**	**05:29:16 on 6/10/19**	**1**	**1**

Question 7
Marks: 1/1
Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 18, b;

b=a>=1<=10;
printf("%d", b);
```

Answer:
1
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:20:58 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 8
Marks: 1/1
Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 18, b;

b = 11<=a<=5;
printf("%d", b);
```

Answer:
1
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:21:06 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 9
Marks: 1/1
Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 10, b;

b=a>=0?-a:a;
printf("%d", b);
```

Answer:
-10
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	-10	05:21:16 on 6/10/19	1	1
2	**Close&Grade**	**-10**	**05:29:16 on 6/10/19**	**1**	**1**

Question 10
Marks: 1/1
Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = -10, b;

b=a>0?1:a<0?-1:0;
printf("%d", b);
```

Answer:

-1

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	-1	05:21:25 on 6/10/19	1	1
2	**Close&Grade**	**-1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 11

Marks: 1/1

Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = 1, b = -1, c;

c=a==b?a+2:b+5;
printf("%d", c);
```

Answer:

4

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	4	05:21:35 on 6/10/19	1	1
2	**Close&Grade**	**4**	**05:29:16 on 6/10/19**	**1**	**1**

Question 12

Marks: 1/1

Write the ***exact*** value printed to standard output by the following code fragment. Assume `<stdio.h>` is included and `-Werror` option is disabled.

```
int a = -10, b = 5, c;

c=a=b?b+5:a-5;
printf("%d", c);
```

Answer:

10

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	10	05:21:44 on 6/10/19	1	1
2	**Close&Grade**	**10**	**05:29:16 on 6/10/19**	**1**	**1**

Question 13

Marks: 1/1

If the expression **`j != k`** is true, then _____ (choose all correct answers)

Choose at least one answer.

- [x] a. expression j == k is false
- [ ] b. expression j == k is true
- [x] c. expression j < k might be true
- [x] d. expression j > k might be true

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade

1	Grade	expression j > k might be true,expression j < k might be true,expression j == k is false	05:22:10 on 6/10/19	1	1
2	**Close&Grade**	**expression j > k might be true,expression j < k might be true,expression j == k is false**	**05:29:16 on 6/10/19**	**1**	**1**

Question 14
Marks: 1/1
If expression **`x <= y`** is true, then _____ (choose best possible answer)
Choose one answer.

- a. x == y is true
- b. y <= x is true
- c. x >= y is false
- d. x > y is false

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	x > y is false	05:22:20 on 6/10/19	1	1
2	**Close&Grade**	**x > y is false**	**05:29:16 on 6/10/19**	**1**	**1**

Question 15
Marks: 1/1
The expression **`!(x > 0)`** will evaluate true ***only*** if _____. (Select the best possible answer).
Choose one answer.

- a. x is either zero or a negative number
- b. x is any positive number
- c. x is any value
- d. x is exactly zero
- e. x is a negative value

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	x is either zero or a negative number	05:22:26 on 6/10/19	1	1
2	**Close&Grade**	**x is either zero or a negative number**	**05:29:16 on 6/10/19**	**1**	**1**

Question 16
Marks: 1/1
Expression **`expr1 >= expr2`** evaluates as false if _____ (choose best possible answer)
Choose one answer.

- a. expr2 is a smaller value than expr1 or is equivalent to expr1
- b. expr2 is a larger value than expr1 or is equivalent to expr1
- c. expr2 is a smaller value than expr1
- d. expr2 is equivalent to expr1
- e. expr2 is a larger value than expr1

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	expr2 is a larger value than expr1	05:22:53 on 6/10/19	1	1
2	**Close&Grade**	**expr2 is a larger value than expr1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 17
Marks: 1/1
The short-circuit evaluation of the operands of the **`&&`** operator (page 76 of text) in expression **`(expr1 && expr2)`** means that
Choose one answer.

- a. expr1 is first evaluated; if expr1 evaluates false then expr2 is evaluated
- b. expr1 is first evaluated; if expr1 evaluates true then expr2 is evaluated

- c. expr2 is first evaluated; if expr2 evaluates true then expr1 is evaluated
- d. both expr1 and expr2 are evaluated
- e. expr2 is first evaluated; if expr2 evaluates false then expr1 is evaluated

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	expr1 is first evaluated; if expr1 evaluates true then expr2 is evaluated	05:23:10 on 6/10/19	1	1
2	**Close&Grade**	**expr1 is first evaluated; if expr1 evaluates true then expr2 is evaluated**	**05:29:16 on 6/10/19**	**1**	**1**

Question 18
Marks: 1/1
The short-circuit evaluation of the operands of the `||` operator (page 76 of text) in expression **`(expr1 || expr2)`** means that
Choose one answer.

- a. both expr1 and expr2 are evaluated
- b. expr2 is first evaluated; if expr2 evaluates false then expr1 is evaluated
- c. expr1 is first evaluated; if expr1 evaluates false then expr2 is evaluated
- d. expr1 is first evaluated; if expr1 evaluates true then expr2 is evaluated
- e. expr2 is first evaluated; if expr2 evaluates true then expr1 is evaluated

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	expr1 is first evaluated; if expr1 evaluates false then expr2 is evaluated	05:23:25 on 6/10/19	1	1
2	**Close&Grade**	**expr1 is first evaluated; if expr1 evaluates false then expr2 is evaluated**	**05:29:16 on 6/10/19**	**1**	**1**

Question 19
Marks: 1/1
Often the expression in an **`if`** statement will test whether a variable falls within a range of values. To test whether $i \in [0, n)$, the expression in the **`if`** statement must be
Choose one answer.

- a. 0 <= i < n
- b. 0 <= i || i < n
- c. 0 >= i || i >= n
- d. 0 > i && i <= n
- e. 0 <= i && i < n

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	0 <= i && i < n	05:23:41 on 6/10/19	1	1
2	**Close&Grade**	**0 <= i && i < n**	**05:29:16 on 6/10/19**	**1**	**1**

Question 20
Marks: 1/1
Often the expression in an **`if`** statement will test whether a variable falls outside a range of values. To test whether $i \notin [0, n)$, the expression in the **`if`** statement must be
Choose one answer.

- a. 0 >= i && i > n
- b. i < 0 || i >= n
- c. 0 <= i && i < n
- d. i <= 0 || i > n
- e. i <= 0 && i > n

Correct
Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	i < 0 || i >= n	05:23:57 on 6/10/19	1	1
2	**Close&Grade**	**i < 0 || i >= n**	**05:29:16 on 6/10/19**	**1**	**1**

Question 21
Marks: 1/1
In a conditional statement, the **`else`** clause executes _____.
Choose one answer.

- a. never
- b. always
- c. when the tested condition is true
- d. when the tested condition is false

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	when the tested condition is false	05:24:12 on 6/10/19	1	1
2	**Close&Grade**	**when the tested condition is false**	**05:29:16 on 6/10/19**	**1**	**1**

Question 22
Marks: 1/1
Many compilers may not generate a warning if the assignment (**=**) operator is mistakenly used instead of the equality operator (==). That is, even though you mistakenly write

```
if (x=10)
```

rather than

```
if (x==10)
```

the compiler may not generate a warning. Rewrite expression **`x==10`** so that the compiler will always generate an error when the assignment operator is mistakenly used instead of the equality operator? Write only the expression without using any whitespace or brackets (don't write an **`if`** statement, instead just provide the expression). Hint: Check out Chapter 5 for the answer.
Answer:
10==x
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	10==x	05:24:26 on 6/10/19	1	1
2	**Close&Grade**	**10==x**	**05:29:16 on 6/10/19**	**1**	**1**

Question 23
Marks: 1/1
Walk through the following code fragment and write the exact output printed to standard output.

```
int room_area = 3000;
double painting_cost;

0 < room_area && room_area <= 5000
    ? (painting_cost=40.0)
    : (painting_cost = 40.0 + (room_area - 5000)*0.01);
printf("%.2f", painting_cost);
```

Answer:
40.00
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	40.00	05:24:42 on 6/10/19	1	1

2	**Close&Grade**	**40.00**	**05:29:16 on 6/10/19**	**1**	**1**

Question 24
Marks: 1/1
Walk through the following code fragment and write the exact output printed to standard output.

```
int room_area = 5000;
double painting_cost;

0 < room_area && room_area <= 5000
    ? (painting_cost=40.0)
    : (painting_cost = 40.0 + (room_area - 5000)*0.01);
printf("%.2f", painting_cost);
```

Answer:

40.00

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	40.00	05:24:54 on 6/10/19	1	1
2	**Close&Grade**	**40.00**	**05:29:16 on 6/10/19**	**1**	**1**

Question 25
Marks: 1/1
Walk through the following code fragment and write the exact output printed to standard output.

```
int room_area = 6500;
double painting_cost;

0 < room_area && room_area <= 5000
    ? (painting_cost=40.0)
    : (painting_cost = 40.0 + (room_area - 5000)*0.01);
printf("%.2f", painting_cost);
```

Answer:

55.00

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	55.00	05:25:08 on 6/10/19	1	1
2	**Close&Grade**	**55.00**	**05:29:16 on 6/10/19**	**1**	**1**

Question 26
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
char ch = 'U';
if (ch >= 'A' && ch <= 'Z')
  ch += 'a' - 'A';
printf("%c", ch);
```

Answer:

u

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	u	05:25:18 on 6/10/19	1	1
2	**Close&Grade**	**u**	**05:29:16 on 6/10/19**	**1**	**1**

Question 27
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
if (60<=12*5)
```

```
  printf("Hello ");
printf("There");
```

Answer:

Hello There

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	Hello There	05:25:26 on 6/10/19	1	1
2	**Close&Grade**	**Hello There**	**05:29:16 on 6/10/19**	**1**	**1**

Question 28

Marks: 1/1

Walk through the code fragment and write the ***exact*** output printed to standard output.

```
if (7 <= 7)
  printf("%d", 6-9*2/6);
```

Answer:

3

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	3	05:25:34 on 6/10/19	1	1
2	**Close&Grade**	**3**	**05:29:16 on 6/10/19**	**1**	**1**

Question 29

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
if (5<3)
  printf("*");
else if (7==8)
  printf("&");
else
  printf("$");
```

Answer:

$

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	$	05:25:45 on 6/10/19	1	1
2	**Close&Grade**	**$**	**05:29:16 on 6/10/19**	**1**	**1**

Question 30

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x = 0;
if (x += 1)
  printf("true");
else
  printf("false");
```

Answer:

true

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	true	05:25:56 on 6/10/19	1	1
2	**Close&Grade**	**true**	**05:29:16 on 6/10/19**	**1**	**1**

Question 31
Marks: 1/1
Often the expression in an **if** statement tests whether a variable is not equivalent to a value. Write C's inequality operator.
Answer:

!=

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	!=	05:26:02 on 6/10/19	1	1
2	**Close&Grade**	**!=**	**05:29:16 on 6/10/19**	**1**	**1**

Question 32
Marks: 1/1
Walk through the following code fragment and write the exact output printed to standard output.

```
int x = 10, y = 15, z = 20, w;
w = x != 5 && y != z;
printf("%d", w);
```

Answer:

1

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:26:13 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 33
Marks: 1/1
Walk through the following code fragment and write the exact output printed to standard output.

```
int x = 10, y = 15, z = 20, w;
w = x <= y - 2 && y >= z || z - 2 != 20;
printf("%d", w);
```

Answer:

1

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:26:22 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 34
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x = 100, y = 200;
if (x>100&&y<=200) printf("%d",++x+y++);
else printf("%d",2*x++- --y);
```

Answer:

1

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:26:30 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 35
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
if ('a'>'b'||66>'A')
  printf("#");
else
  printf("##");
```

Answer:

#

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	#	05:26:37 on 6/10/19	1	1
2	**Close&Grade**	**#**	**05:29:16 on 6/10/19**	**1**	**1**

Question 36

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x = 10, y = 15, z;
z = x<=5||y<15;
printf("%d", z);
```

Answer:

0

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	0	05:26:52 on 6/10/19	1	1
2	**Close&Grade**	**0**	**05:29:16 on 6/10/19**	**1**	**1**

Question 37

Marks: 1/1

Walk through the following code fragment and write the exact output printed to standard output.

```
int x = 10, y = 15, z = 20, w;
w = x >= z || x + y >= z;
printf("%d", w);
```

Answer:

1

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	05:26:59 on 6/10/19	1	1
2	**Close&Grade**	**1**	**05:29:16 on 6/10/19**	**1**	**1**

Question 38

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x = 6;
if (x>0)
  switch (x) {
  case 1:
    x+=3;
  case 3:
    ++x;
    break;
  case 6:
    x+=6;
  case 8:
    x*=8;
    break;
  default:
```

```
    --x;
  }
else
  x+=2;
printf("%d", x);
```

Answer:

96

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	96	05:27:08 on 6/10/19	1	1
2	**Close&Grade**	**96**	**05:29:16 on 6/10/19**	**1**	**1**

Question 39

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x=1;
switch(x<=2) {
  case 0: printf("Draw"); break;
  case 1: printf("Win"); break;
  case 2: printf("Lose"); break;
}
```

Answer:

Win

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	Win	05:27:17 on 6/10/19	1	1
2	**Close&Grade**	**Win**	**05:29:16 on 6/10/19**	**1**	**1**

Question 40

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int value=17;
switch(value%4) {
  case 0: printf("zero");
  case 1: printf("one");
  case 2: printf("two"); break;
  case 3: printf("three"); break;
}
```

Answer:

onetwo

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	onetwo	05:27:30 on 6/10/19	1	1
2	**Close&Grade**	**onetwo**	**05:29:16 on 6/10/19**	**1**	**1**

Question 41

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int value=5;
switch(value) {
  case 1:
  case 2: value+=2; break;
  case 4: ++value;
  case 5: value*=2;
  case 6: value+=5; break;
```

```
  default: value--;
}
printf("%d", value);
```

Answer:

15

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	15	05:27:40 on 6/10/19	1	1
2	**Close&Grade**	**15**	**05:29:16 on 6/10/19**	**1**	**1**

Question 42

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int value=3;
switch(value) {
  case 3: value+=3;
  case 1: value++; break;
  case 5: value+=5;
  case 4: value+=4;
}
printf("%d", value);
```

Answer:

7

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	7	05:27:50 on 6/10/19	1	1
2	**Close&Grade**	**7**	**05:29:16 on 6/10/19**	**1**	**1**

Question 43

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int value=2;
switch(value) {
  case 3: value+=3;
  case 1: value++; break;
  case 5: value+=5;
  case 4: value+=4;
}
printf("%d", value);
```

Answer:

2

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	2	05:28:03 on 6/10/19	1	1
2	**Close&Grade**	**2**	**05:29:16 on 6/10/19**	**1**	**1**

Question 44

Marks: 1/1

The expression in the **`if`** statement:

```
if (score = 70.0)
  grade = 'P';
```

always evaluates true.

Answer:

◉ True ○ False

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	True	05:28:17 on 6/10/19	1	1
2	**Close&Grade**	**True**	**05:29:16 on 6/10/19**	**1**	**1**

Question 45
Marks: 1/1
The expression in the **`if`** statement:

```
if (score = 0.0)
  grade = 'F';
```

always evaluates true.
Answer:
○ True ● False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	False	05:28:31 on 6/10/19	1	1
2	**Close&Grade**	**False**	**05:29:16 on 6/10/19**	**1**	**1**

Question 46
Marks: 1/1
Often the expression in an **`if`** statement tests whether a variable is equivalent to a value. However, instead of writing **`if (i == 10)`**, we mistakenly write **`if (i = 10)`**. If **`i`** is defined as an **`int`** variable, will the incorrectly written **`if`** statement be flagged as an error by the compiler? Assume `-Werror` option is disabled.
Answer:
○ True ● False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	False	05:28:39 on 6/10/19	1	1
2	**Close&Grade**	**False**	**05:29:16 on 6/10/19**	**1**	**1**

Question 47
Marks: 1/1
Consider the following code fragment:

```
int x = 5;
if (x < 5)
  printf("%d", x); x = 0;
else
  printf("x is zero");
```

The output printed to standard output by the code fragment is:

```
x is zero
```

Answer:
○ True ● False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	False	05:28:46 on 6/10/19	1	1
2	**Close&Grade**	**False**	**05:29:16 on 6/10/19**	**1**	**1**

Question 48
Marks: 1/1
Every **`if`** statement must have a corresponding **`else`**.

Answer:
○ True ● False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	False	05:28:56 on 6/10/19	1	1
2	**Close&Grade**	**False**	**05:29:16 on 6/10/19**	**1**	**1**

Question 49
Marks: 1/1
Assuming **`ch`** is defined as a **`char`** variable, the expression

```
ch >= 'A' && ch <= 'Z'
```

evaluates false if either **`ch < 'A'`** or **`ch > 'Z'`**
Answer:
● True ○ False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	True	05:29:04 on 6/10/19	1	1
2	**Close&Grade**	**True**	**05:29:16 on 6/10/19**	**1**	**1**

Question 50
Marks: 1/1
A relational and equality expression contains relational and equality operators (**<**, **<=**, **>**, **>=**, **==**, **!=**). The results obtained by evaluating such relational or equality expressions cannot be assigned to an **`int`** variable.
Answer:
○ True ● False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	False	05:29:11 on 6/10/19	1	1
2	**Close&Grade**	**False**	**05:29:16 on 6/10/19**	**1**	**1**

Finish review

You are logged in as GOH Wei Zhe (Logout)
cs120f19-a

- Validate HTML
- Section 508 Check
- WCAG 1 (2,3) Check