cs120f19-a.sg

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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:

Correct

0

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:

Correct

1

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);</pre>

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:

Correct

Marks for this submission: 1/1.

History of Responses:

| # | Action | Response | Time | Raw score | Grade |
|----------|-------------|----------|---------------------|-----------|-------|
| <u>1</u> | 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);</pre>

Answer:

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:

Correct

Marks for this submission: 1/1.

History of Responses:

| # | Action | Response | Time | Raw score | Grade |
|----------|-------------|----------|---------------------|-----------|-------|
| <u>1</u> | 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:

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);</pre>

Answer:

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
      Grade
                                  -1
                                                      05:21:25 on 6/10/19
                                                                                             1
1
2
      Close&Grade
                                                      05:29:16 on 6/10/19
                                  -1
                                                                                                                    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
      Close&Grade
                                                      05:29:16 on 6/10/19
2
                                                                                             1
                                                                                                                    1
                                  4
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
                                  10
                                                      05:21:44 on 6/10/19
      Grade
                                                                                             1
1
2
      Close&Grade
                                                      05:29:16 on 6/10/19
                                  10
                                                                                             1
                                                                                                                    1
Question 13
Marks: 1/1
If the expression \mathbf{j} != \mathbf{k} is true, then
                                                    (choose all correct answers)
Choose at least one answer.
\blacksquare a. expression j == k is false
\square b. expression j == k is true
\blacksquare c. expression j < k might be true
\blacksquare d. expression j > k might be true
Correct
Marks for this submission: 1/1.
History of Responses:
```

Response

Time

Raw score Grade

Action

| 1 (| Grade | expression j > k mig == k is false | ht be true, expression | j < k might be true,expression j | 05:22:10 on 6/10/19 | 1 | 1 |
|--|--|--|--|--|---|---------------|---------------------------|
| 2 (| Close&Grade | expression j > k mią true,expression j == | ght be true,expressio = k is false | on j < k might be | 05:29:16 or 6/10/19 | 1 1 | 1 |
| Mark If ex | | y is true, then | (choose b | est possible answer) | | | |
| | ose one answer | | | | | | |
| | x == y is true | | | | | | |
| | $y \le x$ is true | | | | | | |
| | x >= y is false | e | | | | | |
| | 1. $x > y$ is false | | | | | | |
| | ect as for this submory of Response | | | | | | |
| # | Act | ion | Response | Time | Raw | v score | Grade |
| <u>1</u> | Grade | x > y | is false 0 | 5:22:20 on 6/10/19 | 1 | 1 | |
| 2 | Close&Grad | \mathbf{e} $\mathbf{x} > \mathbf{y}$ | is false 0 | 5:29:16 on 6/10/19 | 1 | 1 | |
| Ques Mark The | stion 15 ks: 1/1 | x > 0) will evaluate | | (Select the best possi | | | |
| ⊙ a | . x is either zer | o or a negative numb | oer | | | | |
| Оb | o. x is any posit | ive number | | | | | |
| O c | . x is any value | | | | | | |
| Od | l. x is exactly z | ero | | | | | |
| | e. x is a negative | | | | | | |
| | | | | | | | |
| Corr Mark | ks for this subm | | | | | | |
| Corr Mark | | | Response | Tì | ime | Raw score | Grade |
| Corre Mark Histo | ks for this submory of Response Action | es: | Response | | | | |
| Corre Mark Histor # | ks for this submory of Response Action Grade | x is either zero | or a negative numbe | r 05:22:26 on 0 | 6/10/19 | 1 | 1 |
| Corre Mark Histor # | ory of Response Action Grade Close&Grade | x is either zero | - | r 05:22:26 on 0 | 6/10/19 | | |
| Corre Mark Histor # 1 2 Ques Mark | Action Grade Close&Grade stion 16 cs: 1/1 | x is either zero x is either zero | o or a negative numbe | oper 05:22:26 on 6 oper 05:29:16 on | 6/10/19 6/10/19 | 1 | 1 |
| Corre Mark Histor # 1 2 Ques Mark Expression | Action Grade Close&Grade stion 16 cs: 1/1 | x is either zero x is either zero >= expr2 evalua | o or a negative numbe | r 05:22:26 on 0 | 6/10/19 6/10/19 | 1 | 1 |
| Corre Mark Histor # 1 | Action Grade Close&Grade stion 16 ss: 1/1 ression expr1 ose one answer. | x is either zero x is either zero >= expr2 evalua | o or a negative numbe | tr 05:22:26 on 0 ber 05:29:16 on (choose best possible a | 6/10/19 6/10/19 | 1 | 1 |
| Corre Mark Histor # 1 | Action Grade Close&Grade stion 16 ss: 1/1 ression expr1 bse one answer a. expr2 is a sm. | x is either zero x is either zero x is either zero >= expr2 evalua aller value than expr1 | o or a negative numbe o or a negative numbe | r 05:22:26 on 6 ber 05:29:16 on (choose best possible a | 6/10/19 6/10/19 | 1 | 1 |
| Corre Mark Histor # 1 2 Ques Mark Expr Choo | Action Grade Close&Grade stion 16 cs: 1/1 ression expr1 ose one answer a. expr2 is a large. | x is either zero x is either zero x is either zero >= expr2 evalua aller value than expr1 | o or a negative number of or a negative number of neg | r 05:22:26 on 6 ber 05:29:16 on (choose best possible a | 6/10/19 6/10/19 | 1 | 1 |
| Corre Mark Histor # 1 | Action Grade Close&Grade stion 16 ss: 1/1 ression expr1 ose one answer a. expr2 is a sm. b. expr2 is a sm. c. expr2 is a sm. | x is either zero x is either zero x is either zero >= expr2 evalua aller value than expr1 ger value than expr1 | o or a negative number of or a negative number of neg | r 05:22:26 on 6 ber 05:29:16 on (choose best possible a | 6/10/19 6/10/19 | 1 | 1 |
| Corre Mark Histor # 1 | Action Grade Close&Grade stion 16 ks: 1/1 ression expr1 ose one answer a. expr2 is a sm b. expr2 is a sm c. expr2 is a sm d. expr2 is a sm | x is either zero x is either zero x is either zero >= expr2 evalua aller value than expr1 ger value than expr1 aller value than expr1 | o or a negative number of or a negative number of neg | r 05:22:26 on 6 ber 05:29:16 on (choose best possible a | 6/10/19 6/10/19 | 1 | 1 |
| Corre Mark Histor # 1 | Action Grade Close&Grade stion 16 cs: 1/1 ression expr1 a. expr2 is a small expr2 is equivalent expr2 is equivalent expr2 is equivalent expr2 is equivalent expr2 is a large. | x is either zero x is either zero x is either zero = expr2 evalua aller value than expr1 ger value than expr1 valent to expr1 ger value than expr1 ger value than expr1 | o or a negative number of or a negative number of neg | r 05:22:26 on 6 ber 05:29:16 on (choose best possible a | 6/10/19 6/10/19 | 1 | 1 |
| Corre Mark Histor # 1 | Action Grade Close&Grade stion 16 cs: 1/1 ession expr1 bse one answer a. expr2 is a sm. b. expr2 is a sm. c. expr2 is a quit expr2 is equit expr2 is a large | x is either zero x is either zero x is either zero = expr2 evalua aller value than expr1 ger value than expr1 valent to expr1 ger value than expr1 ger value than expr1 | o or a negative number of or a negative number of neg | r 05:22:26 on 6 ber 05:29:16 on (choose best possible a | 6/10/19 6/10/19 nswer) | 1 | 1 |
| Correspondent Co | Action Grade Close&Grade stion 16 ss: 1/1 ression expr1 be one answer a. expr2 is a sm. b. expr2 is a sm. c. expr2 is a sm. c. expr2 is a large | x is either zero x is either zero x is either zero x is either zero >= expr2 evalua aller value than expr1 ger value than expr1 valent to expr1 ger value than expr1 ger value than expr1 to expr1 ger value than expr1 expr2 to e | o or a negative number of or a negative number of or a negative number of negative number o | r 05:22:26 on 6 ber 05:29:16 on (choose best possible a | 6/10/19 6/10/19 nswer) | 1 1 | 1 1 |
| Correspondent Co | Action Grade Close&Grade stion 16 ks: 1/1 ression expr1 ose one answer a. expr2 is a sm b. expr2 is a sm c. expr2 is a sm c. expr2 is a sm c. expr2 is a large c. ex | x is either zero x is either zero x is either zero x is either zero >= expr2 evalua aller value than expr1 ger value than expr1 valent to expr1 ger value than expr1 inssion: 1/1. es: expr2 is a large | o or a negative number of or a negative number of or a negative number of ne | r 05:22:26 on 6 ber 05:29:16 on control of the cont | 6/10/19 6/10/19 nswer) ne 10/19 | 1 1 Raw score | 1 1 |
| Correspondent for the second of the second o | Action Grade Close&Grade stion 16 (st. 1/1 session expr1 is a sm. a. expr2 is a large ext (st. expr2 is a large ext (s | x is either zero x is either zero x is either zero >= expr2 evalua aller value than expr1 ger value than expr1 valent to expr1 ger value than expr1 ger value than expr1 expr2 is a larg expr2 is a larg aluation of the operar | Response ger value than exprints of the && operator | Tir 05:22:26 on 6/ (choose best possible a continuous port 1 | 6/10/19 6/10/19 nswer) me 10/19 10/19 | 1 1 Raw score | 1 1 1 Grade 1 |
| Corred Mark Histor # 1 | Action Grade Close&Grade stion 16 ss: 1/1 ression expr1 rese one answer rese expr2 is a small expr2 is a large rese for this submory of Response Action Grade Close&Grade stion 17 ss: 1/1 short-circuit eve rese one answer rese expr1 is first one | x is either zero x is either zero x is either zero x is either zero >= expr2 evalua aller value than expr1 ger value than expr1 valent to expr1 ger value than expr1 to expr1 expr2 is a larg evaluation of the operare evaluated; if expr1 everal | or a negative number of or a negative number of or a negative number of the second sec | Tir 05:22:26 on 6/ (choose best possible a skpr1 or 1 | 6/10/19 6/10/19 nswer) me 10/19 10/19 | 1 1 Raw score | 1 1 1 Grade 1 |

| | • | | expr2 evaluates true then e | xpr1 is evaluated | | | |
|-------------------------|--|----------------------|---|--------------------------------------|------------------------|---------------|-------|
| | d. both expr1 ar | • | | | | | |
| | e. expr2 is first | evaluated; if | expr2 evaluates false then | expr1 is evaluated | | | |
| Ma | rks for this subnatory of Respons | | | | | | |
| # | Action | | Respon | se | Time | Raw score | Grade |
| 1 | Grade | expr1 is firs | t evaluated; if expr1 evalua | tes true then expr2 is evaluated | 05:23:10 on 6/10/19 | 1 | 1 |
| 2 | Close&Grade | expr1 is first | st evaluated; if expr1 eval | uates true then expr2 is | 05:29:16 on 6/10/19 | 1 | 1 |
| Ma | estion 18 rks: 1/1 | | | | | | |
| | e short-circuit ev oose one answer | | ne operands of the opera | tor (page 76 of text) in expression | (expr1 expr2 | 2) means th | at |
| | a. both expr1 ar | • | nyahuatad | | | | |
| | - | - | expr2 evaluates false then | over 1 is evaluated | | | |
| | - | | expr1 evaluates false then expr1 evaluates false then | • | | | |
| | - | | • | _ | | | |
| | - | | exprl evaluates true then e | | | | |
| | e. expr2 is first | evaluated; 11 | expr2 evaluates true then expr2 evaluates true true the expr2 evaluates true true true true true true true true | xpr1 is evaluated | | | |
| Ma | rks for this subn story of Respons | | | | | | |
| # | Action | | Respon | se | Time | Raw score | Grade |
| 1 | Grade | expr1 is firs | t evaluated; if expr1 evalua | tes false then expr2 is evaluated | 05:23:25 on 6/10/19 | 1 | 1 |
| 2 | Close&Grade | expr1 is firs | st evaluated; if expr1 eval | uates false then expr2 is | 05:29:16 on 6/10/19 | 1 | 1 |
| Ma Oft exp Cho | oression in the is | f statement n | | variable falls within a range of val | ues. To test whether i | € [0, n), the | |
| | a. 0 <= i < n | | | | | | |
| | b. $0 \le i i \le n$ | | | | | | |
| | c. $0 >= i i >= i$ | | | | | | |
| | d. $0 > i \&\& i < 0$ | | | | | | |
| | e. 0 <= i && i < | < n | | | | | |
| Ma | rrect rks for this subn story of Respons | | | | | | |
| # | Acti | ion | Response | Time | Raw scor | re G | rade |
| 1 | Grade | | 0 <= i && i < n | 05:23:41 on 6/10/19 | 1 | 1 | |
| 2 | Close&Grad | e | 0 <= i && i < n | 05:29:16 on 6/10/19 | 1 | 1 | |
| | estion 20 rks: 1/1 | | | | | | |
| | _ | | | variable falls outside a range of va | lues. To test whether | ∉ [0, n), th | e |
| _ | oression in the i: | | nust be | | | | |
| | a. 0 >= i && i > | | | | | | |
| | b. $i < 0 i >= n$ | | | | | | |
| | c. 0 <= i && i < | | | | | | |
| | d. $i \le 0 i > n$ | | | | | | |
| | e. i <= 0 && i > | | | | | | |
| Co | rrect | | | | | | |
| Ma | rks for this subn | nission: 1/1. | | | | | |

History of Responses:

| # | Action | Response | Time | Raw score | Grade |
|---|-------------|--------------------------|---------------------|-----------|-------|
| 1 | Grade | $i < 0 \parallel i >= n$ | 05:23:57 on 6/10/19 | 1 | 1 |
| 2 | Close&Grade | $i < 0 \parallel i >= n$ | 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.

C a. never

O b. always

C 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 |
|----------|-------------|----------|---------------------|-----------|-------|
| <u>1</u> | 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;
```

: (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 |

```
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</pre>
     ? (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
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 < \text{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:
 #
                                                                                                             Grade
              Action
                                   Response
                                                                Time
                                                                                          Raw score
     Grade
                               55.00
                                                  05:25:08 on 6/10/19
                                                                                     1
1
     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:
Correct
Marks for this submission: 1/1.
History of Responses:
 #
                                                                Time
                                                                                                             Grade
              Action
                                   Response
                                                                                          Raw score
     Grade
                                                  05:25:18 on 6/10/19
                                                                                     1
                                                                                                          1
1
                               11
2
     Close&Grade
                                                  05:29:16 on 6/10/19
                                                                                     1
                                                                                                          1
Ouestion 27
Marks: 1/1
Walk through the following code fragment and write the exact output printed to standard output.
```

05:29:16 on 6/10/19

1

1

2

Close&Grade

if (60<=12*5)

40.00

```
printf("Hello ");
printf("There");
Answer:
Hello There
Correct
Marks for this submission: 1/1.
History of Responses:
              Action
                                      Response
                                                                     Time
                                                                                               Raw score
                                                                                                                  Grade
     Grade
                               Hello There
                                                      05:25:26 on 6/10/19
                                                                                          1
1
     Close&Grade
                               Hello There
                                                      05:29:16 on 6/10/19
2
                                                                                          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
                                                                   Time
                                                                                                                  Grade
                                     Response
                                                                                              Raw score
                                3
                                                    05:25:34 on 6/10/19
     Grade
                                                                                         1
                                                                                                              1
1
2
     Close&Grade
                                3
                                                    05:29:16 on 6/10/19
                                                                                         1
                                                                                                              1
Ouestion 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:
 #
                                                                   Time
                                                                                              Raw score
                                                                                                                  Grade
               Action
                                     Response
                                                    05:25:45 on 6/10/19
                                $
                                                                                         1
                                                                                                              1
     Grade
1
     Close&Grade
                                $
                                                    05:29:16 on 6/10/19
                                                                                         1
                                                                                                              1
Question 30
Walk through the following code fragment and write the exact output printed to standard output.
int x = 0;
if (x += 1)
  printf("true");
  printf("false");
Answer:
true
Correct
Marks for this submission: 1/1.
History of Responses:
 #
                                                                   Time
                                                                                                                  Grade
               Action
                                     Response
                                                                                              Raw score
                                                    05:25:56 on 6/10/19
     Grade
                                                                                         1
                                                                                                              1
1
                                true
2
     Close&Grade
                                                    05:29:16 on 6/10/19
                                                                                         1
                                                                                                              1
                                true
```

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:

<u>|</u>=

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:
```

1115 // 01/

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:
```

Correct

1

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:</pre>
```

Correct

1

Marks for this submission: 1/1.

History of Responses:

| # | Action | Response | Time | Raw score | Grade |
|----------|-------------|----------|---------------------|-----------|-------|
| <u>1</u> | 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.
```

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

Question 36 Marks: 1/1

History of Responses:

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:</pre>

0
Correct
```

Marks for this submission: 1/1.

History of Responses:

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

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
                                                 05:27:08 on 6/10/19
     Grade
                               96
                                                                                    1
                                                                                                         1
1
2
     Close&Grade
                                                 05:29:16 on 6/10/19
                                                                                                         1
                               96
                                                                                    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 \le 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
                               Win
                                                 05:27:17 on 6/10/19
                                                                                    1
     Grade
                                                                                                         1
1
     Close&Grade
                                                 05:29:16 on 6/10/19
2
                               Win
                                                                                    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:
 #
                                   Response
                                                                                                            Grade
              Action
                                                                Time
                                                                                         Raw score
     Grade
                               onetwo
                                                 05:27:30 on 6/10/19
                                                                                    1
1
     Close&Grade
                                                 05:29:16 on 6/10/19
2
                               onetwo
                                                                                    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:
                                                                                                            Grade
              Action
                                   Response
                                                                Time
                                                                                         Raw score
     Grade
                               15
                                                 05:27:40 on 6/10/19
                                                                                     1
                                                                                                         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
                               7
                                                 05:27:50 on 6/10/19
     Grade
                                                                                     1
                                                                                                         1
1
                               7
2
     Close&Grade
                                                 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:
 #
                                                                                                            Grade
              Action
                                   Response
                                                                Time
                                                                                         Raw score
     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:
            ○ False
• True
```

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:

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:

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");</pre>
```

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

x is zero

Answer:

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.

| _ | | | | | |
|---|--|--|--|--------------------------------------|-------------------------|
| ОΤ | rue 6 False | | | | |
| Con | | | | | |
| Mar | ks for this submission: 1/1 | | | | |
| Hist | ory 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 |
| | stion 49 | | | | |
| | ks: 1/1 | | | | |
| Assı | uming ch is defined as a c | har variable, the expre | ession | | |
| ch | >= 'A' && ch <= 'Z | Z ' | | | |
| eval | uates false if either ch < | 'A' or ch > 'Z' | | | |
| Ans | | | | | |
| ⊙ T | | | | | |
| Con | | | | | |
| | | | | | |
| | ks for this submission: 1/1 | • | | | |
| Hist | ory of Responses: | | | | |
| | | Response | Time | Raw score | Grade |
| Hist | ory of Responses: | | Time 05:29:04 on 6/10/19 | Raw score | Grade |
| Hist # | ory of Responses: Action | Response | | | |
| Hist # 1 2 | ory of Responses: Action Grade | Response True | 05:29:04 on 6/10/19 | 1 | 1 |
| Hist # 1 2 Que Mar | ory of Responses: Action Grade Close&Grade stion 50 ks: 1/1 | Response True True | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 | 1 1 | 1 1 |
| Hist # 1 2 Que Mar A re | ory of Responses: Action Grade Close&Grade stion 50 ks: 1/1 lational and equality expre | Response True True ession contains relationa | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 al and equality operators (<, <=, >, : | 1 1 | 1 1 |
| Hist # 1 2 Que Mar A re such | ory of Responses: Action Grade Close&Grade stion 50 ks: 1/1 lational and equality expresional and equality expresional and equality expresional equality equality equality equality expresional equality equal | Response True True ession contains relationa | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 al and equality operators (<, <=, >, : | 1 1 | 1 1 |
| Hist # 1 2 Que Mar A re such Ans | Action Grade Close&Grade stion 50 ks: 1/1 lational and equality expresional are equality expresional expressions. | Response True True ession contains relationa | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 al and equality operators (<, <=, >, : | 1 1 | 1 1 |
| Hist # 1 2 Que Mar A re such Ans | ory of Responses: Action Grade Close&Grade stion 50 ks: 1/1 lational and equality expresive relational or equality expresive: True © False | Response True True ession contains relationa | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 al and equality operators (<, <=, >, : | 1 1 | 1 1 |
| Hist # 1 2 Que Mar A re such Ans © T Corr | ory of Responses: Action Grade Close&Grade stion 50 ks: 1/1 lational and equality expresional relational or equality expressives: True False Grade | Response True True ession contains relationaressions cannot be assig | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 al and equality operators (<, <=, >, : | 1 1 | 1 1 |
| Hist # 1 2 Que Mar A re such Ans C T Corn Mar | ory of Responses: Action Grade Close&Grade stion 50 ks: 1/1 lational and equality expresively relational or equality expresiver: rue False rect ks for this submission: 1/1 | Response True True ession contains relationaressions cannot be assig | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 al and equality operators (<, <=, >, : | 1 1 | 1 1 |
| Hist # 1 2 Que Mar A re such Ans C T Corn Mar | ory of Responses: Action Grade Close&Grade stion 50 ks: 1/1 lational and equality expresional relational or equality expressives: True False Grade | Response True True ession contains relationaressions cannot be assig | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 al and equality operators (<, <=, >, : | 1 1 | 1 1 |
| Hist # Que Mar A re such Ans © T Com Mar Hist | Action Grade Close&Grade stion 50 ks: 1/1 llational and equality exprese relational or equality expreserver. The False rect ks for this submission: 1/1 ory of Responses: | Response True True ession contains relationaressions cannot be assig | 05:29:04 on 6/10/19 05:29:16 on 6/10/19 al and equality operators (<, <=, >, and to an int variable. | 1 1 >=, ==, !=). The results obtain | 1 1 ined by evaluating |

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Finish review

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