Chapter 3 Assessment

Due No due date **Points** 20 **Questions** 20 **Time Limit** 30 Minutes
Allowed Attempts 2

Instructions

Welcome to chapter 3 assessment

This test will help you evaluate what you have learned in chapter 3. You will have 30 minutes to answer 20 questions. You will not be able to see the correct answers. If you are not satisfied with your result, you can re-take the test once. Good luck!

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	14 minutes	20 out of 20

ⓘ Correct answers are hidden.

Score for this attempt: **20** out of 20
Submitted Apr 25 at 11:15am
This attempt took 14 minutes.

Question 1 — 1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i, j, k;
    i = -1;
    j = 1;
    if(i)
            j--;
    if(j)
            i++;
    k = i * j;
    printf("%d",k);
```

```
    return 0;
}
```

- (•) the program outputs 0
- ( ) the program outputs -1
- ( ) the program outputs2
- ( ) the program outputs 1

Question 2

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i, j, k;
    i = 0;
    j = 0;
    if(j)
            j--;
    else
            i++;
    if(i)
            i--;
    else
            j++;


    k = i + j;
    printf("%d",k);
    return 0;
}
```

- ( ) the program outputs 2
- (•) the program outputs 0
- ( ) the program outputs -1
- ( ) the program outputs 1

Question 3

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i, j, k;
    i = 2;
    j = 3;
    if(j)
            j--;
    else if(i)
            i++;
    else
            j++;
    if(j)
            i--;
    else if(j)
            j++;
    else
            j = 0;
    k = i + j;
    printf("%d",k);
    return 0;
}
```

- (•) the program outputs 3
- ( ) the program outputs 0
- ( ) the program outputs 2
- ( ) the program outputs 1

Question 4

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    double x = -.1;
    int i = x;
    printf("%d",i);
    return 0;
}
```

- the program outputs 0.100000
- the program outputs -1
- the program outputs -0.100000
- the program outputs 0

Question 5

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    float x,y;
    int i,j;
    x = 1.5; y = 2.0;
    i = 2; j = 3;
    x = x * y + i / j;
    printf("%f",x);
    return 0;
}
```

- the program outputs 0.000000
- the program outputs 1.000000
- the program outputs 3.000000
- the program outputs 2.000000

Question 6

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    float x,y;
    int i,j;
    x = 1.5; y = 2.0;
    i = 2; j = 4;
    x = x * y + (float)i / j;
```

```
    printf("%f",x);
    return 0;
}
```

- (•) the program outputs 3.500000
- ( ) the program outputs 3.000000
- ( ) the program outputs 2.000000
- ( ) the program outputs 4.000000

Question 7

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i;
    i = 1;
    while(i < 16)
            i *= 2;
    printf("%d",i);
    return 0;
}
```

- (•) the program outputs 16
- ( ) the program outputs 32
- ( ) the program outputs 8
- ( ) the program outputs 4

Question 8

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i, j;
```

```
    i = 1; j = 1;
    while(i < 16) {
            i += 4;
            j++;
    }
    printf("%d",j);
    return 0;
}
```

- (•) the program outputs 5
- ( ) the program outputs 7
- ( ) the program outputs 6
- ( ) the program outputs 4

Question 9

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 7, j = i - i;
    while(i) {
            i /= 2;
            j++;
    }
    printf("%d",j);
    return 0;
}
```

- ( ) the program outputs 2
- (•) the program outputs 3
- ( ) the program outputs 0
- ( ) the program outputs 1

Question 10

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 7, j = i - i;
    while(!i) {
            i /= 2;
            j++;
    }
    printf("%d",j);
    return 0;
}
```

- the program outputs 3
- the program outputs 0
- the program outputs 1
- the program outputs 2

Question 11

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i, j = 1;
    for(i = 11; i > 0; i /= 3)
            j++;
    printf("%d",j);
    return 0;
}
```

- the program outputs 3
- the program outputs 2
- the program outputs 4
- the program outputs 5

Question 12

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i, j = 0;
    for(i = 0; !i ; i++)
            j++;
    printf("%d",j);
    return 0;
}
```

- the program outputs 0
- the program outputs 2
- the program outputs 1 (selected)
- the program outputs 3

Question 13

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 1, j = -2;
    for(;;) {
            i *= 3;
            j++;
            if(i > 30)
                    break;
    }
    printf("%d",j);
    return 0;
}
```

- the program outputs 2 (selected)
- the program outputs 3
- the program outputs 0

the program outputs 1

Question 14

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 1, j = -2, k;
    k = (i >= 0) && (j >= 00) || (i <= 0) && (j <= 0);
    printf("%d",k);
    return 0;
}
```

the program outputs 3

the program outputs 2

the program outputs 1

the program outputs 0

Question 15

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 1, j = -2, k;
    k = (i >= 0) || (j >= 00) && (i <= 0) || (j <= 0);
    printf("%d",k);
    return 0;
}
```

the program outputs 2

the program outputs 0

the program outputs 1

the program outputs 3

Question 16

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 1, j = -2, k;
    k = !(i >= 0) || !(j >= 00) && !(i <= 0) || !(j <= 0);
    printf("%d",k);
    return 0;
}
```

- (•) the program outputs 1
- ( ) the program outputs 3
- ( ) the program outputs 0
- ( ) the program outputs 2

Question 17

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 1, j = 0, k;
    k = i & j;
    k |= !!k;
    printf("%d",k);
    return 0;
}
```

- ( ) the program outputs 2
- ( ) the program outputs 3
- (•) the program outputs 0

the program outputs 1

Question 18

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 1, j = 0, k;
    k = !i | j;
    k = !k;
    printf("%d",k);
    return 0;
}
```

- (•) the program outputs 1
- ( ) the program outputs 0
- ( ) the program outputs 3
- ( ) the program outputs 2

Question 19

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 1, j = 0, k;
    k = (i ^ j) + (!i ^ j) + (i ^ !j) + (!i ^ !j);
    printf("%d",k);
    return 0;
}
```

- ( ) the program outputs 3
- ( ) the program outputs 0
- (•) the program outputs 2

- the program outputs 1

Question 20

1 / 1 pts

What happens if you try to compile and run this program?

```
#include <stdio.h>
int main(void) {
    int i = 0, j = 1, k;
    k = i << j + j << i;
    printf("%d",k);
    return 0;
}
```

- the program outputs 1
- the program outputs 2
- (selected) the program outputs 0
- the program outputs 3

Quiz Score: **20** out of 20