

Bitwise operators

Due Oct 2 at 11:59pm	Points 21	Questions 21
Time Limit 300 Minutes		

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	11 minutes	21 out of 21

Score for this quiz: **21** out of 21
Submitted Oct 2 at 7:57pm
This attempt took 11 minutes.

Correct!

Question 1

1 / 1 pts

```
if ( 1 >> 1 )
    putchar ( 'T' );
else
    putchar ( 'F' );
```

☐ T

☒ F

☐ TT

☐ FT

Question 2

1 / 1 pts

What is printed

```
unsigned char a = 0x23;
```

```
unsigned char b = 0x45 ;
```

```
printf ( "c=0x%x\n", a & b );
```

☐ c=0x23

☐ c=0x45

☐ c=0x67

☒ c=0x1

Correct!

Question 3

1 / 1 pts

```
unsigned char a = 0x10;
```

```
unsigned char b = 0;
```

```
if ( ~b )
```

```
    putchar ( 'T' );
```

```
else
```

```
    putchar ( 'F' );
```

☐ TT

☐ FF

☒ T

☐ F

Correct!

Question 4

1 / 1 pts

```
unsigned char a = 0x23;  
unsigned char b = 0x45 ;
```

```
printf ( "c=0x%x\n", a | b );
```

What is printed ?

☐ c=0x23

☐ c=0x23

☒ c=0x67

☐ c=0x1

Correct!

Question 5

1 / 1 pts

```
unsigned char x = 0x21, y ;
```

```
y = x & 0x1 ;
```

what is the value of y

☒ 1

☐ 2

☐ 0x21

☐ 33

Correct!

Question 6

1 / 1 pts

unsigned char x = 0x20, y ;
y = x >> 4 ;
what is the value of y now ?

Correct!

☒ 2

☐ 3

☐ 0xF

☐ 0XF0

Question 7

1 / 1 pts

unsigned char x = 0xF, y ;

x = x << 4 | 0xF ;
what is the value of x ?

Correct!

☒ 255

☐ 256

☐ 254

☐ 257

Question 8

1 / 1 pts

unsigned char a = 0x10;

```
unsigned char b = 0x1;
if ( a & b )
    putchar ( 'T' );
else
    putchar ( 'F' );
What is printed ?
```

Correct!

☒ F

☐ T

☐ FT

☐ TF

Question 9

1 / 1 pts

```
unsigned char x = 0x21, y ;
y = x | 0x10 ;
what is the value of y now ?
```

Correct!

☐ 48

☒ 49

☐ 0

☐ 1

Question 10

1 / 1 pts

```
unsigned char a = 0x10;
```

```
unsigned char b = 0;
if ( a | b )
    putchar ( 'T' );
else
    putchar ( 'F' );
What is printed ?
```

☐ F

☒ T

☐ TT

☐ TF

Correct!

Question 11

1 / 1 pts

```
unsigned char x = 0x21, y ;
y = x >> 1 ;
what is the value of y now ?
```

☒ 16

☐ 17

☐ 0x21

☐ 0x1

Correct!

Question 12

1 / 1 pts

```
unsigned char x = 0x21, y ;
```

`y = x >> 0 ;`
what is the value of y now ?

Correct!

☒ 33

☐ 32

☐ 30

☐ 1

Question 13

1 / 1 pts

`unsigned char x = 0x21, y ;`
`y = x & 0x10 ;`
what is the value of y now ?

Correct!

☒ 0

☐ 1

☐ 0x21

☐ 32

Question 14

1 / 1 pts

`unsigned char a = 0x36 << 1;`
`printf ("%d", a);`

☐ 36

Correct!

☐ 0x36

☐ 54

☒ 108

Question 15

1 / 1 pts

```
unsigned char a = 0x36 >> 1;  
printf ( "%d", a);
```

Correct!

☒ 27

☐ 28

☐ 30

☐ 36

Question 16

1 / 1 pts

```
unsigned char a = 0x10;  
unsigned char b = 0x1;  
if ( a & b )  
    putchar ( 'T' );  
else  
    putchar ( 'F' );  
What is printed ?
```

Correct!

☒ F

☐ T

☐ FT

☐ TF

Question 17

1 / 1 pts

```
unsigned char a = 0x24 >> 2;  
printf ( "%d", a);  
what is printed ?
```

☐ 24

☐ 36

☐ 18

☒ 9

Correct!

Question 18

1 / 1 pts

```
if ( 1 >> 1 )  
    putchar ( 'T');  
else  
    putchar ( 'F');
```

☐ T

☒ F

☐ TT

☐ FT

Correct!

Question 19

1 / 1 pts

```
unsigned char a = 0x10;  
unsigned char b = 0;  
if ( ~b )  
    putchar ( 'T' );  
else  
    putchar ( 'F' );
```

☐ TT

☐ FF

☒ T

☐ F

Correct!

Question 20

1 / 1 pts

```
unsigned char a = 0x10;  
unsigned char b = 0;  
if ( a | b )  
    putchar ( 'T' );  
else  
    putchar ( 'F' );  
What is printed ?
```

☐ F

☒ T

☐ TT

Correct!

☐ TF

Question 21

1 / 1 pts

```
unsigned char a = 0x36 >> 1;  
printf ( "%d", a);
```

Correct!

☒ 27

☐ 28

☐ 30

☐ 36

Quiz Score: **21** out of 21