

## Ch2\_Written

1. How many operands does each of the following types of operators require?

Unary: 1

Binary: 2

Ternary: 3

2. How may the double variables temp, weight, and age be defined in one statement?

double temp,weight,age;

3. How may the int variables months, days, and years be defined in one statement, with months initialized to 2 and years initialized to 3?

Int months =2, days, years=3;

4. Write assignment statements that perform the following operations with the variables

a, b, and c:

A) Adds 2 to a and stores the result in b.

B) Multiplies b by 4 and stores the result in a.

C) Divides a by 3.14 and stores the result in b.

D) Subtracts 8 from b and stores the result in a.

E) Stores the value 27 in a.

F) Stores the character 'K' in c.

G) Stores the ASCII code for 'B' in c.

5. Is the following comment written using single-line or multi-line comment symbols?

```
/* This program was written by M. A. Codewriter*/
```

Multi Line

6. Is the following comment written using single-line or multi-line comment symbols?

```
// This program was written by M. A. Codewriter
```

Single line

7. Modify the following program so it prints two blank lines between each line of text.

```
Cout << "\n\n";
```

1. How many operands does each of the following types of operators require?

\_\_\_\_\_ Unary

\_\_\_\_\_ Binary

\_\_\_\_\_ Ternary

1

2

3

2. How may the double variables temp, weight, and age be defined in one statement?

double temp, weight, age

3. How may the int variables months, days, and years be defined in one statement, with months initialized to 2 and years initialized to 3?

int months = 2, days, years = 3;

4. Write assignment statements that perform the following operations with the variables a, b, and c.

A) Adds 2 to a and stores the result in b .

B) Multiplies b times 4 and stores the result in a .

C) Divides a by 3.14 and stores the result in b .

D) Subtracts 8 from b and stores the result in a .

E) Stores the value 27 in a.

F) Stores the character 'K' in c .

G) Stores the ASCII code for 'B' in c .

A) `b = a + 2;`

B) `a = b * 4;`

C) `b = a / 3.14;`

D) `a = b - 8;`

E) `a = 27;`

F) `c = 'K';`

G) `c = 'B';`5. Is the following comment written using single-line or multi-line comment symbols?

6. Is the following comment written using single-line or multi-line comment symbols?

`/* This program was written by M. A. Codewriter*/`

Multi-line comment

`// This program was written by M. A. Codewriter` Single\_line;7. Modify the following program so it prints two blank lines between each line of text.

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    cout << "Two mandolins like creatures in the";
```

```
    cout << "dark";
```

```
    cout << "Creating the agony of ecstasy.";
```

```
    cout << " - George Barker";
```

```

return 0;
}    #include <iostream>
int main()
{
    cout << "Two mandolins like creatures in the\n\n\n";
    cout << "dark\n\n\n";
    cout << "Creating the agony of ecstasy.\n\n\n";
    cout << " - George Barker\n\n\n";
    return 0;
};

```

8. What will the following programs print on the screen?

A) #include <iostream>  
using namespace std;  
int main()  
{  
 int freeze = 32, boil = 212;  
 freeze = 0;  
 boil = 100;  
 cout << freeze << endl << boil << endl;  
 return 0;  
}

B) #include <iostream>  
using namespace std;  
int main()  
{  
 int x = 0, y = 2;  
 x = y \* 4;  
 cout << x << endl << y << endl;  
 return 0;  
}

C) #include <iostream>  
using namespace std;  
int main()  
{  
 cout << "I am the incredible";  
 cout << "computing  
machine";  
 cout << "  
and I will

```

amaze
";
cout << "you.";
return 0;
}

```

```

D) #include <iostream>
using namespace std;
int main()
{
cout << "Be careful
";
cout << "This might/n be a trick ";
cout << "question
";
return 0;
}

```

```

E) #include <iostream>
using namespace std;
int main()
{
int a, x = 23;
a = x % 2;
cout << x << endl << a << endl;
return 0;
}

```

A) 0, 100

B) 8, 2

C) :I am the incredible computing machine and I will amaze you.

D):Be careful This might/n be a trick question

E) 23, 1;

9. Every complete statement ends with a

- A) period
- B) # symbol
- C) semicolon
- D) ending brace

C

10. Which of the following statements is correct?

- A) #include (iostream)
- B) #include {iostream}
- C) #include <iostream>
- D) #include [iostream]
- E) All of the above

C

11. Every C++ program must have a

- A) cout statement
- B) function main
- C) #include statement
- D) All of the above

B

12. Preprocessor directives begin with a

- A) #
- B) !
- C) <
- D) \*
- E) None of the above#;

A

13. The following data, 72, 'A', "Hello World", 2.8712 , are all examples of

- A) Variables
- B) Literals or constants
- C) Strings
- D) None of the above

B

14. A group of statements, such as the contents of a function, is enclosed in

- A) Braces {}
- B) Parentheses ()
- C) Brackets <>
- D) All of the above will do

A

20. A(n) \_\_\_\_\_ is like a variable, but its value is read-only and cannot be changed during the program's execution.

- A) secure variable
- B) uninitialized variable
- C) named constant
- D) locked variable

C