

C++ Types & Variables

Exercises

CS185

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Whic	h of the following are valid identifiers (variable names)?
	int
	Int
	_var
	1var
	var1
	var_name
	var-name
	varName
	var name
	VAR
Whic	h of the following are integral type numbers?
	0
	2
	1.5
	3/4
	-5
	0.001
	-70.2
	10.7d
	1000000L
	Whic



3. Which of the following variable initializations will not compile?

```
int main(void)
      float a = 30;
      float b = 30.0;
      float c = 30.0f;
      double d = 30;
      double e = 30.0;
      double f = 30.0f;
      double g = 30.0d;
      int h = 30;
      int i = 30.0;
      int j = 30L;
      char k = 30;
      char 1 = 'B';
      char m = 50_{000_{00};
      char n = -'B';
      long o = 'B';
      long p = 30;
      long q = 50_000_000;
}
```

- \Box a
- \Box b
- □ c
- □ е
- \Box f
- □ g
- \Box h
- \Box i
- □ i
- \Box k
- \square m
- \square n
- □ р
- \Box q



4. In the examples below, which line(s) cause(s) a warning?

```
int main(void)
{
1.    float f = 7.0f;
2.    double d = 7.0;
3.
4.    d = f;
5.    f = d;
}
```

- □ 2
- □ 3
- □ 4
- □ 5
- 5. Which one of the following lines of code does not require an implicit conversion by the compiler?
 - \Box long I = 21474836480
 - □ long I = 21474836480L
 - \Box long I = 21474836480.0f
 - \Box long I = 21474836480.0
- 6. Which of the following does NOT contain a syntax error?
 - \Box int a, b,c, and d;
 - ☐ float f 2;
 - \Box double d = 2.30;
 - \Box 1 = char B;

