## **Quiz 7 Results for Jacob Watts**

Score for this quiz: **20** out of 20 Submitted Feb 7 at 3:20pm

This attempt took 3,004 minutes.

char, array of char, float,	bit, etc.
unsigned char	~
float	~
unsigned int	~
array of char	~
signed int	•
signed char	•
	unsigned char  float  unsigned int  array of char  signed int

Question 3 1/1 pts

What (8051 C) data type would you use to declare a 1-bit variable that references one bit in a special function register (SFR)?

Correct!

sbit

	_	
orrect	Answers	3

sbit

	Question 4	1 / 1 pts
	What does the following declaration do?  sfr foo = 0x81;	
Correct!	Creates an alias to SFR 81H	
	Allocates a byte in memory that refers to SFR 81H	
	It will not compile. The declaration is invalid	
	Allocates a SFR and initializes it to 81H	

## Question 5

Find the contents of the port after each of the following operations. Give your answers in hexadecimal with no leading 0x, no leading zeros and no 'H' suffix.

P1 = 0x56 & 0x97; // P1 is assigned to 16

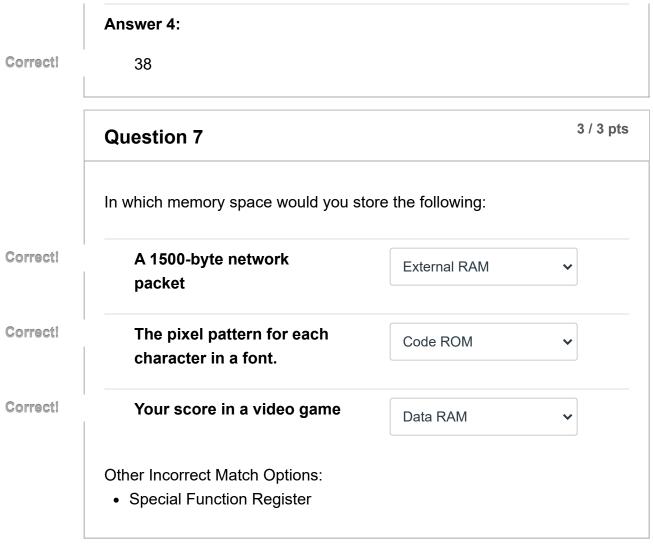
P1 = 0x58 | 0x94; // P1 is assigned to DC

P1 = 0xf0 ^ 0x5c; // P1 is assigned to AC

P1 = 0xC7 & ~0x01; // P1 is assigned to C6

## Answer 1:

Correct!	16	
	Answer 2:	
Correct!	DC	
	Answer 3:	
Correct!	AC	
	Answer 4:	
Correct!	C6	
	Question 6	4 / 4 pts
	Find the contents of the port after each of the following operatio your answers in hexadecimal with no leading 0x, no leading zer 'H' suffix. Hint 1: these are shift, not rotate operations. Hint 2: C all numeric constants (e.g. 0xC7) as integers, not chars.	os and no
	P1 = 0x56 >> 2; // P1 is assigned to 15	
	P1 = 0x95 << 2; // P1 is assigned to 54	
	P1 = 0xf0 >> 3; // P1 is assigned to 1E	
	P1 = 0xC7 << 3; // P1 is assigned to 38	
	Answer 1:	
Correct!	15	
	Answer 2:	
Correct!	54	
	Answer 3:	
Correct!	1E	



Quiz Score: 20 out of 20