Interrupt Controller Question: In the table below, identify the registers that need to be initialized, and give values for each. In this interrupt system, there are four interrupt sources, starting in the least significant bit position, and all are to be enabled. Also, the software activation of interrupts is not to be utilized. Assume that you want to assert the appropriate bits to reset any flags that may have remained from an earlier program.

VART SWITCH POUTIMER	Addr Offset	Register	Bit Pattern	
11/1/1/1	0x00	ISR	0600	
IPR	0x04	IPR	000-0 11 (11 5 bid) re	adoug!
/1/(/(//	0x08	IER	oace III	
	0x0C	IAR	0000 reed this to be	e IIII to clear flags
	0x1C	MER	11100 000 11	
NT				

Now, in the space provided below, give instructions that will establish the bit patterns given above as well as to a)set up the vector register and b)set up any enabling activity needed to allow interrupts in general. Assume that the interrupt controller has been located at address

0x82340000.

NOTE: EVERY TIME I ATTEMPT TO WRITE CODE ON THE SPOT

IT IS WRONG. THIS IS BE(AUSE I HAVE LEARNED EVERYTHING

Plus the offset

I know About Coding In the LAB VIA TRIAL AND EAROR SO

I WILL FOCUS ON CONCEPTVAL EXPLANATIONS

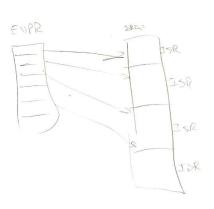
The IPP is going to indirate current interrupts are taking place by howing a sit pattern where

a I represent S an interrupt and itien. The IER will indicate which interrupts I will

be paying attention to a for example of the IER BIT PATTERN is 1011 and the

user hits the switch to cause an interrupt, it's not going to impen because I haven't enabled

the bits to example theat interrupt.



IN GOING TO SET A REG TO HOLD VALVE FOR THE ISR WHICH IS DETERMINED BY THE BIT PATTERNS 48OUE, FOR EACH CASE.