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// Implementing interrupt 65H

#include<BIOS.H>

#include<DOS.H>

unsigned int far \*scr = (unsigned int far \*) 0xb8000000;

void interrupt (\*oldint65)();

void interrupt newint65();

void main() {

 oldint65 = getvect(0x65);

 setvect(0x65, newint65);

 keep(0, 1000);

}

void interrupt newint65()

{

 if((\_AH) == 0)

 { // Printing Course code CS609 Byte is 01110000 or 70H

 (\*scr) = 0x7043; // C

 (\*(scr + 1)) = 0x7059; // S

 (\*(scr + 2)) = 0x7036; // 6

 (\*(scr + 3)) = 0x7030; // 0

 (\*(scr + 4)) = 0x7039; // 9

 outportb(0x20, 0x20); // sending EOI to PIC

 return;

 }

 else if{

 if((\_AH) == 1)

 { // Printing System Programing

 (\*scr) = 0x7059; // S

 (\*(scr + 1)) = 0x7065; // y

 (\*(scr + 2)) = 0x7059; // S

 (\*(scr + 3)) = 0x7060; // T

 (\*(scr + 4)) = 0x7045; // E

 (\*(scr + 5)) = 0x7053; // M

 (\*(scr + 6)) = 0x7056; // P

(\*(scr + 7)) = 0x7058; // R

 (\*(scr + 8)) = 0x7055; // O

 (\*(scr + 9)) = 0x7047; // G

 (\*(scr + 10)) = 0x7058; // R

(\*(scr + 5)) = 0x7041; // A

 (\*(scr + 11)) = 0x7053; // M

 (\*(scr + 12)) = 0x7049; // I

(\*(scr + 13)) = 0x7054; // N

 (\*(scr + 14)) = 0x7047; // G

 outportb(0x20, 0x20); // sending EOI to PIC

 return;

 }

else if{

 if((\_AH) == 2)

 { // Printing Virtual University

 // follow the above code and then print the virtual university…..

 outportb(0x20, 0x20); // sending EOI to PIC

 return;

 }

 }

}

// Test function to take user input and generate interrupt

#include<BIOS.H>

#include<DOS.H>

#include<stdio.h>

void main() {

 int i;

 printf( "Enter 0 for printing course code or 1 for printing name :");

 scanf ("%d", &i);

 switch(i) {

 case 0:

 \_AH = 0;

 geninterrupt(0x65);

 break;

 case 1:

 \_AH = 1;

 geninterrupt(0x65);

 break;

follow the above code solved the 3rd problem

 default:

 printf("You have entered an invalid number. Exiting the program...");

 }

}