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CS31

Project 5

Problem 1:

\*p3 = S //since here we just want the value not address

\*p3 =T , p3=6940

\*p1 =S , p1=6940

Problem 2:

Answer: D. Because k has the same value as i but is not i. P=75 is just assigning P. and \*p=75 is the correct answer

Problem 3:

Answer 2 & 4.

2) We initialized c to be a char in 1. It cannot be used/initialized in a double.

4) We initialized A to be a char in 3. It cannot be used/initialized in an int.

Problem 4:

char blocks[3] = {'A','B','C'};

char \*ptr = &blocks[0]; // ptr will be assigned the value: 4434

char temp;

temp = blocks[0]; // temp will be assigned the value:A

temp = \*(blocks + 2); // temp will be assigned the value:C

temp = \*(ptr + 1); // temp will be assigned the value:B

temp = \*ptr; // temp will be assigned the value:A

ptr = blocks + 1; // ptr will be assigned the value:4435

temp = \*ptr; // temp will be assigned the value:B (because of the above statement)

temp = \*(ptr + 1); // temp will be assigned the value:C

ptr = blocks; // ptr will be assigned the value:4434

temp = \*++ptr; // temp will be assigned the value:B

temp = ++\*ptr; // temp will be assigned the value:C

temp = \*ptr++; // temp will be assigned the value:C

temp = \*ptr; // temp will be assigned the value:C

Problem 5:

**int** num[ 6 ] = { 0, 0, 0, 0, 0, 0 };

num[0]=100;

num[1]=90;

num[2]=80;

num[3]=70;

num[4]=60;

**for** (**int** i = 0; i <= 5; i++)

cout << num[ i ] << " ";

cout << endl;

Problem 6:

**void** revString( **char** \* msg ){

**int** i=0;

**while**(msg[i]!='\0'){

i++;

}

**for** ( **int** j=0 ; j <i; j++ ){

**if** ((isdigit(msg[j]))){

**int** k=j+1;

**for** (; k< i; k++){

**if** ( !isdigit(msg[k])){

**break**;

}

}

msg[j]= msg[k];

msg[k]= '1';

}

}

}

**int** main() {

**char** msg[100] = "Happy 2021!";

revString(msg);

cout << msg << endl; // prints: Happy !

**char** ksg[100]= "What are 4 u 3 doing";

revString(ksg);

cout << ksg <<endl;

**return** 0;

}