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Project 6

**Problem 1:**

The code will print the following:

\*p3 = S

\*p3 = T, p3 = 6940

\*p1 = S, p1 = 6940

**Problem 2:**

The answer is D. \*p = 75;

**Problem 3:**

Line 2 will not compile because you cannot set a value of double\* equal to a value of type char\*. Also, line 4 will not compile because you cannot set a value of char\* equal to a value of type 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: 4442

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

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:**

Revised Code:

int main()

{

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;

return (0);

}

**Problem 6:**

void revString(char\* msg)

{

while (\*msg != '\0')

{

if (isdigit(\*msg))

{

char\* temp = msg;

while (\*temp != '\0')

{

\*temp = \*(temp + 1);

temp++;

}

}

else

msg++;

}

}