ЛАБОРАТОРНАЯ РАБОТА №2

по курсу «Архитектура вычислительных систем»

по теме:

**Отладка кода**

Выполнили:

Студент 3-го курса

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| #include <iostream>  using namespace std;  int main() {  int x=10;  int y1, y2, y3;  y1 = x \* 5;  y2 = x \* 7;  if (x < 7) {  y3 = 0;  }  else  {  y3 = x;  }  printf\_s("x=%d\ny1=%d\ny2=%d\ny3=%d\n", x, y1, y2, y3);  system("Pause");  return 0;  } |
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| #include <iostream>  using namespace std;  int main() {  int x=10;  int y1, y2, y3;  y1 = x \* 5;  y2 = x \* 7;  if (x < 7) {  y3 = 0;  }  else  {  y3 = x;  }  cout<<"x="<<x<<" y1="<<y1<<" y2="<<y2<<" 23="<<y3<<" ";  system("Pause");  return 0;  } |
| ;10 : y1 = x \* 5;  0x40147d mov -0x10(%ebp),%edx  0x401480 mov %edx,%eax  0x401482 shl $0x2,%eax  0x401485 add %edx,%eax  0x401487 mov %eax,-0x14(%ebp)  ;11 : y2 = x \* 7;  0x40148a mov -0x10(%ebp),%edx  0x40148d mov %edx,%eax  0x40148f shl $0x3,%eax  0x401492 sub %edx,%eax  0x401494 mov %eax,-0x18(%ebp)  ;12 : if (x < 7) {  0x401497 cmpl $0x6,-0x10(%ebp)  0x40149b jg 0x4014a6 <main()+70>  ;13 : y3 = 0;  0x40149d movl $0x0,-0xc(%ebp)  0x4014a4 jmp 0x4014ac <main()+76>  ;14 : }  ;15 : else  ;16 : {  ;17 : y3 = x;  0x4014a6 mov -0x10(%ebp),%eax  0x4014a9 mov %eax,-0xc(%ebp)  ;18 : } |

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