short int A = 5, B = -8, C = 18, D = 0;

|  |  |
| --- | --- |
| 1. \_ True\_\_  (A > B) | 7. \_\_False\_  (D >= C || A == B) |
| 2. \_\_True\_\_  (B <= 0) | 8. \_\_True\_\_  ((C + 1) == (D + 19)) |
| 3. \_\_False\_  (D != 0) | 9. \_\_True\_\_  (B == 0 || C == 0 || D == 0) |
| 4. \_\_False\_  (C = 17) | 10. \_False\_  (A == 0 && (B > 1 || C > 1)) |
| 5. \_\_True\_\_  (A > B && C > D) | 11. \_True\_\_  (!(A == 5) || !(C = 0)) |
| 6. \_\_True\_\_  (C != (B + 28)) | 12. \_False\_  (A > (B + C) && A < (D + B)) |

|  |  |  |
| --- | --- | --- |
| **Num** | **Code** | **Output** |
| 13. | float A = 20.5, B = -20.4;  if (A > (B + 40))    cout << "Yes";  else    cout << "No"; | Yes |
| 14. | float Yoga = 2.5;  Yoga++; Yoga++;  if (!(Yoga < 5))    Yoga--;  else    Yoga++;  cout << Yoga; | 5.5 |
| 15. | bool Hungry = true;  bool Thirsty = false;  if (Hungry || Thirsty)  {    cout << "I'm not happy";  }  else  {    cout << "I'm very happy";  } | I’m not happy |
| 16. | cout << "1";  int H = -50;  if (H < (H + 1))    cout << "2";  else    cout << "3"; | 12 |
| 17. | short int X = 15, Y = 18;  if (X > 9 && Y < 18)    cout << "passion";  else    cout << "papaya"; | papaya |

18. Write a program (attach source code) that prompts the user to enter how many donuts they are going to eat. The program should then output how many dozen and single donuts this is. For example, if the user enters 29, the program will say, "This is 2 dozen plus 5 single donuts."

Graphical user interface, application

Description automatically generated with medium confidence

Extra Credit  
Write a program that prompts the user to enter a message (text string).  The program should then center the message horizontally on the screen (assume an 80-column width screen) and draw a box around the message.

Graphical user interface, text, application

Description automatically generated