|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| int age;  String bloodType; | if (age >= 18) {  result = "Can give blood to ";  if (bloodType.equalsIgnoreCase("AB")) {  result += "AB";  } else if (bloodType.equalsIgnoreCase("A")) {  result += "A and AB";  } else if (bloodType.equalsIgnoreCase("B")) {  result += "B and AB";  } else if (bloodType.equalsIgnoreCase("O")) {  result += "AB, A, B, O";  } else {  result = ”Blood type not recognized: ” + bloodType;  return result;  }  } else {  result += "Cannot donate";  }  result += "\nCan receive blood from ";  if (bloodType.equalsIgnoreCase("AB")) {  result += "AB, A, B, O";  } else if (bloodType.equalsIgnoreCase("A")) {  result += "A and O";  } else if (bloodType.equalsIgnoreCase("B")) {  result += "B and O";  } else if (bloodType.equalsIgnoreCase("O")) {  result += "O";  } else {  result = ”Blood type not recognized: ” + bloodType;  } | String result; |

Class Blood