**APCS - If Else Worksheet**

**Show the output of each block of code below.**

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| 1.  int a=30;  if(a<10)  out.println("hello");  else if(a>10)  out.println("goodbye"); | **Ouput:**  goodbye |
| 2.  int b=4;  if(b<2)  out.println("one");  else if(b<4)  out.println("two");  else if(b<8)  out.println("three"); | **Ouput:**  three |
| 3.  int c=5, d=8;  if(c<10 && d>10)  out.println("hello");  out.println("goodbye"); | **Ouput:**  goodbye |
| 4.  int e=7, f=3;  if(e>5 || f>10)  out.println("hello");  else if(e>2)  out.println("goodbye"); | **Ouput:**  hello |
| 5.  int g=10;  if(g<10){  if(g>0){  out.println("one");  }  else if(g>5){  out.println("two");  }  }  else if(g>=10){  if(g>15){  out.println("three");  }  else if(g<15){  out.println("four");  }  } | **Ouput:**  four |
| 6. Complete the following code example, SwitchDemo, which receives an int named month whose value represents a month. The method uses a switch statement to assign the name of the month to the String monthString, based on the value of month. Finally, the name of the month is printed out to the terminal window using monthString.  public void SwitchDemo (int month) {  String monthString;  switch (month) {  switch (month) {  case 1 :  monthString = "January";  break;  case 2 :  monthString = "February";  break;  case 3 :  monthString = "March";  break;  case 4 :  monthString = "April";  break;  case 5 :  monthString = "May";  break;  case 6 :  monthString = "June";  break;  case 7 :  monthString = "July";  break;  case 8 :  monthString = "August";  break;  case 9 :  monthString = "September";  break;  case 10 :  monthString = "October";  break;  case 11 :  monthString = "November";  break;  case 12 :  monthString = "December";  break;  }  System.out.println(monthString);  } | |
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