Java—方法

1. 方法：
   1. 什么是方法？给出你自己的描述？

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* 1. 请写出方法申明格式？

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* 1. 为什么要使用方法？方法的调用与方法的位置有关系吗（或者说把方法放在main函数的上面）？

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* 1. 请总结出方法的**调用**格式？或者说如何调用一个方法?

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* 1. 请将99乘法表封装成一个方法，在main函数里调用。

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1. 方法的重载
   1. 什么是方法的重载？

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* 1. 请判断下列的两个方法是否是重载关系？为什么？

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| Public static int getMaxValue(int a ,int b){  Return a > b? a:b;  }  Public static double getMaxValue(int a ,int b){  Return a>b?a:b;  } |

* 1. 判断下列两个方法是否为重载关系？

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| Public static int getMaxValue(double a ,int b){  Return a > b? a:b;  }  Public static double getMaxValue(int b ,double a){  Return a>b?a:b;  } |

* 1. 下列调用的是哪个方法？

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| Public class Test{  Public static void main(String[] args){  Int a = 2;  Double b = 3;  Double sum = getSum(a,b);  }  Public static double getSum(double a ,int b){  Return a + b;  }  Public static double getSum(int a,double b){  Return a + b;  }  Public static int getSum(double a, double b){  Return (int)(a + b);  }  } |

1. 写出下列的程序的执行结果

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| 1. public static void main(String[] args) 2. { 3. int a = 12; 4. int b = 14; 5. double c = 15; 6. double d = 16; 7. long e = 1; 8. long f = 6; 9. System.out.println(getSum(2,3.14)); 10. getMaxValue(f,b); 11. getMaxValue(e,(int)(a + e)); 12. } 13. public static double getMinValue(double a ,int b){ 14. return a > b ? b : a; 15. } 17. public static double getMinValue(int a ,double b){ 18. return a > b ? b : a; 19. } 20. public static double getSum(double a,int b){ 21. return (a + b > 28 )? 36 :(b - a); 22. } 23. public static int getSum(double a,double b){ 24. return (int)(a + b); 25. } 26. public static double getSum(int a,double b){ 27. return (a > 5)? a :(b - 1); 28. } 29. public static void getMaxValue(int a,int b){ 30. int j = a>b ? a : b; 31. System.out.println("int:" + j); 32. } 33. public static void getMaxValue(double a,double b){ 34. double j = a>b?a:b; 35. System.out.println("double:" + j); 36. } 37. public static void getMaxValue(long a,int b){ 38. long j = a>b?a:b; 39. System.out.println("long:" + j);   } |

1. 读程序，写出结果

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| 1. public static void main(String[] args) { 2. String str="HelloWord!"; 3. int a=0; 4. int b=a+1; 5. int result=0; 7. for(int i=0;i<20;i++)//1 2 8. { 9. result= Add(a,b); 11. System.out.println(str+" "+ result); 13. a+=i;//0 1 15. } 16. } 17. Public static int Add(int x,int y) 18. { 19. return x+y; 20. }   HelloWord! 1  HelloWord! 1  HelloWord! 2  HelloWord! 4  HelloWord! 7  HelloWord! 11  HelloWord! 16  HelloWord! 22  HelloWord! 29  HelloWord! 37  HelloWord! 46  HelloWord! 56  HelloWord! 67  HelloWord! 79  HelloWord! 92  HelloWord! 106  HelloWord! 121  HelloWord! 137  HelloWord! 154  HelloWord! 172 |

1. 读程序，写出结果？

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| 1. public static void main(String[] args) 2. { 3. int a = 5; 4. int b = 20; 5. int c = 13; 6. int d = 3; 7. int e = 15; 8. int f = 9; 9. int getSort = getSortDevide(a,b,c,d,e,f); 10. System.out.println(getSort); 11. } 12. public static int getSortDevide(int a ,int b, int c,int d ,int e ,int f){ 13. sort(a , b, c); //5 13 20 14. sort(d , e, f);// 3 9 15 = 2 + 4 + 5 15. return (a - d) + (b - e) + (c - f); 16. } 17. public static void sort(int a, int b ,int c){ 18. if (a > b){ 19. a = a + b; 20. b = a - b; 21. a = a - b; 22. } 23. if (a > c ){ 24. a = a + c; 25. c = a - c; 26. a = a - c; 27. } 28. if (b > c){ 29. b = b + c; 30. c = b - c; 31. b = b - c; 32. } 34. } |