1. What is the output of below program

**public** **class** OverloadingWrtVarArgs {

**public** **void** m1(**int**... a) {

System.***out***.println("var-args method");

}

**public** **void** m1(**int** a) {

System.***out***.println("primitive method");

}

**public** **static** **void** main(String[] args) {

OverloadingWrtVarArgs o = **new** OverloadingWrtVarArgs();

o.m1(1);

}

}

1. var-args method
2. primitive mehod
3. Ambiguity error
4. None of the above

2.What is the output of below program

**public** **class** OverladingWrtWrapper {

**public** **void** m1(Integer a) {

System.***out***.println("wrapper method");

}

**public** **void** m1(**int** a) {

System.***out***.println("primitive method");

}

**public** **static** **void** main(String[] args) {

OverladingWrtWrapper o = **new** OverladingWrtWrapper();

o.m1(1);

}

}

1. wrapper method
2. primitive mehod
3. Ambiguity error
4. None of the above

3.What is the output of below program

**public** **class** OverloadingWrtWrapperAndVarArg {

**public** **void** m1(**int**... a) {

System.***out***.println("var-args method");

}

**public** **void** m1(Integer a) {

System.***out***.println("wrapper method");

}

**public** **static** **void** main(String[] args) {

OverloadingWrtWrapperAndVarArg o = **new** OverloadingWrtWrapperAndVarArg();

o.m1(0);

}

}

1. wrapper method
2. var-args mehod
3. Ambiguity error
4. None of the above

4.What is the output of below program

**public** **class** OverlaoadingWrtParentAndChildAsParameter {

**public** **void** m1(Number a) {

System.***out***.println("Number class method");

}

**public** **void** m1(Integer a) {

System.***out***.println("Integer class method");

}

**public** **static** **void** main(String[] args) {

Number a = **new** ~~Integer~~(1);

Integer i = **new** ~~Integer~~(10);

OverlaoadingWrtParentAndChildAsParameter o = **new** OverlaoadingWrtParentAndChildAsParameter();

o.m1(a);

o.m1(i);

o.m1(**null**);

}

}

1. Integer class method Number class method Number class method
2. Number class method Integer class method Integer class method
3. Ambiguity error
4. None of the above

5.What is the output of below program

**public** **class** OverloadingWrtCommonParameter {

**public** **void** m1(String a) {

System.***out***.println("String class method");

}

**public** **void** m1(Integer a) {

System.***out***.println("Integer class method");

}

**public** **static** **void** main(String[] args) {

OverloadingWrtCommonParameter o= **new** OverloadingWrtCommonParameter();

o.m1(1);

o.m1("abc");

o.m1(**null**);

}

}

1. String class method Integer class method Integer class method
2. Integer class method String class method String class method
3. Ambiguity error
4. None of the above

6.What is the out of below program

**public** **class** OverloadingWrtRuntimeObject {

**public** **void** m1(String a) {

System.***out***.println("String class method");

}

**public** **void** m1(Integer a) {

System.***out***.println("Integer class method");

}

**public** **static** **void** main(String[] args) {

String s = **new** String();

CharSequence ch = **new** String();

Integer i = 10;

Number n = 10;

OverloadingWrtRuntimeObject o = **new** OverloadingWrtRuntimeObject();

o.m1(i);

o.m1(s);

o.m1(n);

o.m1(ch);

}

}

1. String class method Integer class method String class method Integer class method
2. Integer class method String class method Integer class method String class method
3. Ambiguity error
4. None of the above

7.What is the output of below program

**class** Parent {

}

**class** Child **extends** Parent {

}

**public** **class** OverloadingWrtParentAndChildAsParam1 {

**public** **void** m1(Parent p) {

System.***out***.println("parent method");

}

**public** **void** m1(Child c) {

System.***out***.println("child method");

}

**public** **static** **void** main(String[] args) {

Parent p = **new** Parent();

Child c = **new** Child();

Parent p1 = **new** Child();

OverloadingWrtParentAndChildAsParam1 o = **new** OverloadingWrtParentAndChildAsParam1();

o.m1(p);

o.m1(c);

o.m1(p1);

o.m1(**null**);

}

}

1. parent method child method parent method child method
2. parent method child method child method child method
3. Ambiguity error
4. None of the above

8.What is the output of below program

**public** **class** AutoPromotionDemo {

**public** **void** m1(**int** a) {

System.***out***.println("int method");

}

**public** **void** m1(**float** f) {

System.***out***.println("float method");

}

**public** **static** **void** main(String[] args) {

AutoPromotionDemo a= **new** AutoPromotionDemo();

a.m1(0);

a.m1(0f);

a.m1('c');

}

}

1. int method float method int method
2. int method float method float method
3. Compilation error
4. None of the above

9.What is the output of below program

**public** **class** AutoPromotionDemoWrtObject {

**public** **void** m1(CharSequence ch) {

System.***out***.println("Charsequence method");

}

**public** **void** m1(Number n) {

System.***out***.println("number method");

}

**public** **static** **void** main(String[] args) {

Integer i = 10;

Number n = 10;

String s = "abc";

CharSequence ch = "abc";

AutoPromotionDemoWrtObject a = **new** AutoPromotionDemoWrtObject();

a.m1(ch);

a.m1(n);

a.m1(i);

a.m1(s);

}

}

1. Charsequence method number method number method charsequence method
2. Compilation error
3. Runtime Error
4. None of the above

10.What is the output of below program

**public** **class** AutoPromotionAmbiguityDemo {

**public** **static** **void** m1(**int** a, **float** b) {

System.***out***.println(a + b);

}

**public** **static** **void** m1(**float** a, **int** b) {

System.***out***.println(a - b);

}

**public** **static** **void** main(String[] args) {

*m1*(10f, 12);

*m1*(4, 5f);

*m1*(10, 10);

}

}

1. -2 9 20
2. -2 9 0
3. Compilation error
4. None of the above

11.What is the output of below program

**public** **class** MainMethodOverlaoding {

**public** **static** **void** main(String[] args) {

System.***out***.println("String args");

}

**public** **static** **void** main(Integer[] args) {

System.***out***.println("integer args");

}

}

1. String args integer args
2. Integer args string args
3. String args
4. Integer args