**Enum\_HackerRank\_MCQ**

MCQ 1

1. **Correct**

Question: 1

What is the output of the following program?

enum Movie  
{  
Pathaan, Sir,Hit, Geme\_over, Lost;  
Movie() {  
}  
public void movieMethod()  
{  
System.out.println(Movie.this);  
}  
}  
public class EnumTest  
{  
public static void main(String[] args) {  
Movie movie[] = Movie.values();  
movie[2].movieMethod();  
}  
}

* 1. 

a) Pathaan

* 1. 

b) Sir

* 1. Correct Answer



c) Hit

* 1. 

d) Geme\_over

Answered

1. **Correct**

Question: 2

What is the output of the following program  
enum Movie  
{  
Pathaan, Sir,Hit, Geme\_over, Lost;  
Movie() {  
}  
}  
public class EnumTest  
{  
public static void main(String[] args) {  
Movie movie[] = Movie.values();  
for(Movie mov : movie)  
{  
System.out.println(mov);  
}  
}  
}

* 1. 

a) Pathaan

* 1. 

b) Sir

* 1. 

c) Hit

* 1. 

d) Geme\_over

* 1. Correct Answer



e) Pathaan  
Sir  
Hit  
Geme\_over  
Lost

Answered

1. **Correct**

Question: 3

Can You create enum class inside the class Solution  
public class EnumTest  
{  
enum Mobile  
{  
samsung, motorola, realme, mi, vivo;  
}  
public static void main(String[] args) {  
Mobile samsung = Mobile.samsung;  
System.out.println(samsung);  
}  
}

* 1. 

a) realme

* 1. 

b) mi

* 1. Correct Answer



c) samsung

* 1. 

d) vivo

Answered

1. **Correct**

Question: 4

What is the output of the following program  
public class EnumTest  
{  
enum Mobile  
{  
samsung, motorola, realme, vivo;  
}  
public static void main(String[] args) {  
Mobile samsung = Mobile.samsung;  
samsung = Mobile.realme;  
System.out.println(samsung);  
}  
}

* 1. 

a) samsung

* 1. 

b) motorola

* 1. Correct Answer



c) realme

* 1. 

d) vivo

Answered

1. **Incorrect**

Question: 5

What is the output of the following program  
enum Day {  
Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday  
}

public class EnumTest {

public static void main(String[] args) {

System.out.println("today "+Day.Monday);

System.out.println(Day.Wednesday+ " is holiday");

}

}

* 1. 

a) today Tuesday  
Thursday is holiday

* 1. Incorrect Answer



b) today Friday  
Wednesday is holiday

* 1. 

c) today Thursday  
Thursday is holiday

* 1. Correct Answer



d) today Monday  
Wednesday is holiday

Answered

1. **Correct**

Question: 6

What is the output of the following program  
enum Movie {  
Pathaan, sir, Hit, Geme\_over, Lost;  
}  
public class EnumTest {  
public static void main(String[] args) {  
System.out.println(EnumTest.getMovie(“Sir”));  
}  
public static Movie getMovie(String s) {  
return Enum.valueOf(Movie.class, s.toLowerCase());  
}  
public static Movie getMovie(int n){  
return Movie.values()[n];  
}  
}

* 1. 

a) Hit

* 1. 

b) Geme\_over

* 1. 

c) Pathaan

* 1. Correct Answer



d) sir

Answered

1. **Correct**

Question: 7

What is the output of the following program  
class Mobile  
{  
String str = “Samsung”;  
class Model  
{  
String model = “M51”;  
}  
}  
public class EnumTest  
{  
public static void main(String[] args) {  
Mobile mobile = new Mobile();  
Mobile.Model model = mobile.new Model();  
System.out.println(mobile.str+” “+model.model);  
}  
}

* 1. Correct Answer



a) Samsung M51

* 1. 

b) Compile Time Error

* 1. 

c) Runtime Time Error

* 1. 

d) None

Answered

1. **Correct**

Question: 8

What is the output of the following program  
class Mobile  
{  
String str = “Samsung”;  
private class Model  
{  
String model = “M51”;  
}  
}

public class EnumTest  
{  
public static void main(String[] args) {  
Mobile mobile = new Mobile();  
Mobile.Model model = mobile.new Model();  
System.out.println(mobile.str+” “+model.model);  
}  
}

* 1. 

a) Samsung M51

* 1. Correct Answer



b) Compile Time Error

* 1. 

c) Runtime Time Error

* 1. 

d) None

Answered

1. **Correct**

Question: 9

What is the output of the following program  
class Value  
{  
int a = 25;  
class ReturnValue  
{  
public int getValue()  
{  
return a;  
}  
}  
}  
class EnumTest  
{  
public static void main(String[] args) {  
Value v = new Value();  
Value.ReturnValue rvalue = v.new ReturnValue();  
System.out.println(rvalue.getValue());  
}  
}

* 1. Correct Answer



a) 25

* 1. 

b) Compile Time Error

* 1. 

c) Runtime Time Error

* 1. 

d) 0

Answered

1. **Correct**

Question: 10

What is the output of the following code  
class Device  
{  
void deviceName()  
{  
System.out.println(“Laptop”);

class Model

{

void modelInfo()

{

System.out.println("Dell Inspiron 14");

}

}

Model model = new Model();

model.modelInfo();

}

}  
public class EnumTest  
{  
public static void main(String[] args) {  
Device device = new Device();  
device.deviceName();  
}  
}

* 1. 

a) Compiler error

* 1. 

b) Laptop

* 1. Correct Answer



c) Laptop  
Dell Inspiron 14

* 1. 

d) none

Answered

1. **Correct**

Question: 11

What is the output of the following code for Anonymous Inner classes

class Device{  
void getDeviceName()  
{  
System.out.println(“Laptop”);  
}  
}  
public class EnumTest  
{  
// Anonymous Inner classe  
static Device device = new Device() // here static is used for method call directly in main method  
{  
void getDeviceName()  
{  
super.getDeviceName();  
System.out.println(“Call Super laptop”);  
}  
};

public static void main(String[] args) {

device.getDeviceName();

}

}

* 1. 

a) Compiler error

* 1. Correct Answer



b) Laptop  
Call Super laptop

* 1. 

c) Laptop

* 1. 

d) Call Super laptop

Answered

1. **Correct**

Question: 12

What is the output of the following program  
class NIT  
{  
private static void nit()  
{  
System.out.println(“nit”);  
}  
static class NIT1  
{  
public static void display()  
{  
System.out.println(“nit1”);  
nit();  
}  
}  
}  
public class EnumTest  
{  
public static void main(String[] args) {  
NIT.NIT1.display();  
}  
}

* 1. Correct Answer



a) nit1  
nit

* 1. 

b) nit  
nit1

* 1. 

c) Compile Time Error

* 1. 

d) none

Answered

1. **Correct**

Question: 13

What is the output of the following program  
interface Course  
{  
void display();  
}

enum NIT implements Course  
{  
;  
@Override  
public abstract void display();  
}  
public class EnumTest  
{  
public static void main(String[] args) {  
for(Course c : NIT.values())  
{  
System.out.println(c);  
}  
}  
}

* 1. 

a) Prints Nothing

* 1. Correct Answer



b) Compile Time Error

* 1. 

c) Runtime Error

* 1. 

d) None

Answered

1. **Correct**

Question: 14

What is the output of the following program  
interface Course  
{  
void display();  
}

enum NIT implements Course  
{  
JAVA  
{  
@Override  
public void display() {  
System.out.println(“JAVA”);  
}  
},  
PYTHON  
{  
@Override  
public void display() {  
System.out.println(“PYTHON”);  
}  
};  
@Override  
public abstract void display();  
}  
public class EnumTest  
{  
public static void main(String[] args) {  
for(Course c : NIT.values())  
{  
System.out.println(c);  
}  
}  
}

* 1. 

a) PYTHON  
JAVA

* 1. 

b) Compile Time Error

* 1. Correct Answer



c) JAVA  
PYTHON

* 1. 

d) None

Answered

1. **Correct**

Question: 15

What is the output of the following program  
enum Designation  
{  
Developer, Tester, Manager, TEAM\_LEADER;  
}  
public class EnumTest  
{  
public static void main(String[] args) {  
Designation designation = Designation.Manager;  
switch (designation) {  
case Developer:  
System.out.println(“Developer”);  
break;  
case Tester:  
System.out.println(“Tester”);  
break;  
case Manager:  
System.out.println(“Manager”);  
break;  
case TEAM\_LEADER:  
System.out.println(“TEAM\_LEADER”);  
break;  
default:  
break;  
}  
}  
}

* 1. 

a) Developer

* 1. 

b) Tester

* 1. Correct Answer



c) Manager

* 1. 

d) TEAM\_LEADER

Answered

[**Submit**](https://codehs.com/student/4767136/section/512694/assignment/124509920)

**OOP\_HackerRank\_MethodOverloading\_Overrid**

MCQ3 - Method Overload

1. **Correct**

Question: 1

What is the output of the below program?  
class OverLoad{  
public void add(byte b, int i) {  
System.out.println(“byte-int”);  
}  
public void add(int i, byte b) {  
System.out.println(“int-byte”);  
}  
}  
public class TestMCQ {  
public static void main(String[] args) {  
OverLoad o = new OverLoad();  
byte b1 = 1;  
byte b2 = 2;  
o.add(b1, b2);

}

}

* 1. 

a. byte-int

* 1. 

b. int-byte

* 1. 

c. Runtime Error

* 1. Correct Answer



d. Compile time Error

Answered

1. **Correct**

Question: 2

What is the output of the below program?  
class OverLoad{  
public void add(int b, int i) {  
System.out.println(“int-int”);  
}  
public void add(byte i, int b) {  
System.out.println(“byte-int”);  
}  
}  
public class TestMCQ {  
public static void main(String[] args) {  
OverLoad o = new OverLoad();  
byte b1 = 1;  
byte b2 = 2;  
o.add(b1, b2);

}

}

* 1. 

a. int-int

* 1. Correct Answer



b. byte-int

* 1. 

c. Runtime Error

* 1. 

d. Compile time Error

Answered

1. **Correct**

Question: 3

What is the output of the below program?  
class OverLoad{  
public void add(int b, int i) {  
System.out.println(“int-int”);  
}  
public void add(Byte i, int b) {  
System.out.println(“byte-int”);  
}  
public void add(Byte b1 , byte b2) {  
System.out.println(“Byte-byte”);  
}  
}  
public class TestMCQ {  
public static void main(String[] args) {  
OverLoad o = new OverLoad();  
byte b1 = 1;  
byte b2 = 2;  
o.add(b1, b2);

}

}

* 1. Correct Answer



a.int-int

* 1. 

b.byte-int

* 1. 

c.Byte-byte

* 1. 

d.ambiguity error

Answered

1. **Correct**

Question: 4

What is the output of the below program?  
class OverLoad{  
public void add(Long b, int i) {  
System.out.println(“Long-int”);  
}  
public void add(Double i, int b) {  
System.out.println(“Double-int”);  
}

public void add(int i, Float b) {

System.out.println("int-Float");

}

}  
public class TestMCQ {  
public static void main(String[] args) {  
OverLoad o = new OverLoad();  
o.add(4, 5);

}

}

* 1. 

a.Long-int

* 1. 

b.Double-int

* 1. 

c.int-Float

* 1. Correct Answer



d.Compile time Error

Answered

1. **Correct**

Question: 5

What is the output of the below program?  
class OverLoad{  
public void add(int b, Integer i) {  
System.out.println(“int-Integer”);  
}  
public void add(long i, int b) {  
System.out.println(“long-int”);  
}  
public void add(long i, Object b) {  
System.out.println(“long-Object”);  
}

}  
public class TestMCQ {  
public static void main(String[] args) {  
OverLoad o = new OverLoad();  
o.add(4, 5);  
o.add(6, null);

}

}

* 1. 

a.long-int  
long-Object

* 1. Correct Answer



b.long-int  
int-Integer

* 1. 

c.int-Integer  
int-Integer

* 1. 

d.int-Integer  
long-Object

* 1. 

e.ambiguity error

Answered

1. **Correct**

Question: 6

What is the output of the below program?  
class OverLoad{  
public void add(int b, Integer i) {  
System.out.println(“int-Integer”);  
}

public void add(Byte b, byte i) {

System.out.println("Byte-byte");

}

public void add(byte... l) {

System.out.println("byte...");

}

}  
public class TestMCQ {  
public static void main(String[] args) {  
OverLoad o = new OverLoad();  
byte b1 = 1;  
byte b2 = 3;

o.add(b1,b2);

}

}

* 1. Correct Answer



a.Byte-byte

* 1. 

b.byte…

* 1. 

c.Compile time error(Ambiguity)

* 1. 

d.int-Integer

Answered

1. **Incorrect**

Question: 7

What is the output of the below program?  
class D {  
D() {  
this(5);  
}

D(int a) {

this((5l));

}

D(Long l) {

}

D(long... b) {

this(5.7);

}

D(float f) {

System.out.println("Float");

}

D(Object o) {

System.out.println("Object");

}

}

public class TestMCQ {  
public static void main(String[] args) {  
D d = new D();  
}  
}

* 1. Correct Answer



a. Float

* 1. 

b. Object

* 1. 

c. Compile time error

* 1. Incorrect Answer



d. No output

Answered

1. **Correct**

Question: 8

What is the output of the below program?

What is the result of compiling and running this program?

class Mammal{  
void eat(Mammal m){  
System.out.println(“Mammal eats food”);  
}  
}

class Cattle extends Mammal{  
void eat(Cattle c){  
System.out.println(“Cattle eats hay”);  
}  
}

class Horse extends Cattle{  
void eat(Horse h){  
System.out.println(“Horse eats hay”);  
}  
}  
public class Test{  
public static void main(String[] args){  
Mammal h = new Horse();  
Cattle c = new Horse();  
c.eat(h);  
}  
}

* 1. Correct Answer



A. prints “Mammal eats food”

* 1. 

B. prints “Cattle eats hay”

* 1. 

C. prints “Horse eats hay”

* 1. 

D. Class cast Exception at runtime.

* 1. 

E. None of these

Answered

1. **Correct**

Question: 9

What is the output of the below program?  
Determine output:  
class A{  
public void method1(){  
System.out.print(“Class A method1”);  
}  
}

class B extends A{  
public void method2(){  
System.out.print(“Class B method2”);  
}  
}

class C extends B{  
public void method2(){  
System.out.print(“Class C method2”);  
}  
public void method3(){  
System.out.print(“Class C method3”);  
}  
}

public class Test{  
public static void main(String args[]){  
A a = new A();  
C c = new C();  
c.method2();  
a = c;  
a.method3();  
}  
}

* 1. 

A. Class B method2 Class C method3

* 1. 

B. Class C method2 Class C method3

* 1. Correct Answer



C. Compilation Error

* 1. 

D. Runtime exception

* 1. 

E. None of these

Answered

1. **Correct**

Question: 10

What is the output of the below program?  
class Base{  
int value = 0;  
Base(){  
addValue();  
}  
void addValue(){  
value += 10;  
}  
int getValue(){  
return value;  
}  
}

class Derived extends Base{

Derived(){

addValue();

}

void addValue(){

int value=10;

super.value += 20;

}

}

public class TestMCQ{

public static void main(String[] args){

Base b = new Derived();

System.out.println(b.getValue());

}

}

* 1. 

A. 30

* 1. 

B. 10

* 1. Correct Answer



C. 40

* 1. 

D. 20

* 1. 

E. Compilation error [duplicate varriable]

Answered

1. **Correct**

Question: 11

What is the output of the below program?  
What will be the output?  
class Parent{  
public void method(){  
System.out.println(“Hi i am parent”);  
}  
}  
public class Child extends Parent{  
protected void method(){  
System.out.println(“Hi i am Child”);  
}  
public static void main(String args[]){  
Child child = new Child();  
child.method();  
}  
}

* 1. 

A. Compiles successfully and print

* 1. 

B. Compiles successfully and print

* 1. Correct Answer



C. Compile time error

* 1. 

D. Run Time error

* 1. 

E. None of This

Answered

1. **Correct**

Question: 12

What is the output of the below program?  
What will be the output?  
class A{  
int i = 10;  
public void printValue(){  
System.out.print(“Value-A”);  
}  
}

class B extends A{  
int i = 12;  
public void printValue(){  
System.out.print(“Value-B”);  
}  
}

public class Test{  
public static void main(String args[]){  
A a = new B();  
a.printValue();  
System.out.print(a.i);  
}  
}

* 1. 

A. Value-B 11

* 1. Correct Answer



B. Value-B 10

* 1. 

C. Value-A 10

* 1. 

D. Value-A 11

* 1. 

E. None of these

Answered

1. **Correct**

Question: 13

What will be the result after compiling this code?  
class SuperClass{  
public int doIt(String str, Integer… data){  
String signature = “(String, Integer[])”;  
System.out.println(str + ” ” + signature);  
return 1;  
}  
}

public class Test extends SuperClass{  
public int doIt(String str, Integer… data){  
String signature = “(String, Integer[])”;  
System.out.println(“Overridden: ” + str + ” ” +signature);  
return 0;  
}

public static void main(String... args){

SuperClass sb = new Test();

sb.doIt("hello", 3);

}

}

* 1. Correct Answer



A. Overridden: hello (String, Integer[])

* 1. 

B. hello (String, Integer[])

* 1. 

C. Compilation fails

* 1. 

D. None of these

Answered

1. **Correct**

Question: 14

What is the output of the below program?  
public class Brainy{  
Brainy(float…a)  
{  
System.out.println(“java is easy”);  
}  
Brainy(int…a)  
{  
System.out.println(“java is tricky”);  
}

public static void main(String[] args){

Brainy tm = new Brainy();

}

}

* 1. 

a.No output

* 1. 

b.Compilation error

* 1. 

c.java is easy

* 1. 

d.java is easy  
java is tricky

* 1. Correct Answer



e.java is tricky

Answered

1. **Correct**

Question: 15

What is the output of the below program?  
class ParentA {}  
class ChildB extends ParentA {}

class Base  
{  
ParentA demoA()  
{  
System.out.println(“Base class demo”);  
return new ParentA();  
}  
}

class Subclass extends Base

{

ChildB demoB()

{

System.out.println("Subclass demoB");

return new ChildB();

}

}

public class TestMCQ

{

public static void main(String args[])

{

Base b = new Base();

b.demoA();

Subclass sub = new Subclass();

sub.demoB();

}

}

* 1. 

a.compilation error

* 1. Correct Answer



b.Base class demo  
Subclass demoB

* 1. 

c.Base class demo  
Base class demo

* 1. 

d.Runtime error

Answered

1. **Correct**

Question: 16

What is the output of the below program?  
class A {  
void m1(String x) {  
System.out.println(“One”);  
}  
}  
class B extends A {  
public void m1(String x) {  
System.out.println(“Two”);  
super.m1(null);  
}  
}  
public class Test {  
public static void main(String[] args){  
B obj = new B();  
obj.m1(null);  
}  
}

* 1. Correct Answer



a. Output is : Two, One

* 1. 

b. Output is : One, Two

* 1. 

c. Compile time error

* 1. 

d Runtime error

Answered

1. **Incorrect**

Question: 17

Which statements are true

* 1. Correct Answer



a. Same method names and same method signature is called Overriding

* 1. Incorrect Answer



b. Same method names and same method signature just changing the return type is called Overloading

* 1. 

c. Method signature includes return type, number of arguments, arguments type, and arguments sequence only and nothing else

* 1. 

d. Unchecked exceptions are part of the method signature

Answered

1. **Correct**

Question: 18

What is the output of the below program?  
class Parent  
{  
int a = 15;  
int display()  
{  
int b = a\*a;  
return b;  
}  
}  
class Child extends Parent  
{  
float display()  
{  
float d = a/2;  
return d;  
}  
}  
public class Main  
{  
public static void main(String args[])  
{  
Child ob = new Child();  
float num = ob.display();  
System.out.println(num);  
}  
}

* 1. Correct Answer



a.compile Time Error

* 1. 

b. 7.5

* 1. 

c. 0

* 1. 

d. 7.0

Answered

1. **Correct**

Question: 19

What is the output of the below program?  
public class Tricky {

public static void foo(int... x) {

System.out.println("print int");

}

public void foo(Integer... x) {

System.out.println("print Integer");

}

public static void main(String args[]) {

Tricky.foo(5);

}

}

* 1. 

a.print int

* 1. 

b.print Integer

* 1. Correct Answer



c.compile time error

* 1. 

d.Runtime Exception

Answered

1. **Correct**

Question: 20

Which among the following best defines abstraction?

* 1. 

a) Hiding the implementation

* 1. 

b) Showing the important data

* 1. 

c) Hiding the important data

* 1. Correct Answer



d) Hiding the implementation and showing only the features

Answered

1. **Correct**

Question: 21

What is the output for the below code ?  
class A{  
public A(){  
System.out.println(“A”);  
}  
public A(int i){  
this();  
System.out.println(i);  
}  
}  
class B extends A{  
public B(){  
System.out.println(“B”);  
}  
public B(int i){  
this();  
System.out.println(i+3);  
}  
}  
public class Test{  
public static void main (String[] args){  
new B(5);  
}  
}

* 1. Correct Answer



A. A B 8

* 1. 

B. A 5 B 8

* 1. 

C. A B 5

* 1. 

D. B 8 A 5

* 1. 

E. None of these

Answered

1. **Correct**

Question: 22

What is the output of the below program?  
Determine output:  
class A{  
public void printValue(){  
System.out.println(“Value-A”);  
}  
}  
class B extends A{  
public void printNameB(){  
System.out.println(“Name-B”);  
}  
}  
class C extends A{  
public void printNameC(){  
System.out.println(“Name-C”);  
}  
}

public class Test{  
public static void main (String[] args){  
B b = new B();  
C c = new C();  
newPrint(b);  
newPrint(c);  
}  
public static void newPrint(A a){  
a.printValue();  
}  
}

* 1. 

A. Value-A Name-B

* 1. Correct Answer



B. Value-A Value-A

* 1. 

C. Value-A Name-C

* 1. 

D. Name-B Name-C

* 1. 

E. None of these

Answered

1. **Correct**

Question: 23

What is the output of the below program?  
What will be the output?  
class A{  
int i = 10;  
public void printValue(){  
System.out.print(“Value-A”);  
}  
}

class B extends A{  
int i = 12;  
public void printValue(){  
System.out.print(“Value-B”);  
}  
}

public class Test{  
public static void main(String args[]){  
A a = new B();  
a.printValue();  
System.out.print(a.i);  
}  
}

* 1. 

A. Value-B 11

* 1. Correct Answer



B. Value-B 10

* 1. 

C. Value-A 10

* 1. 

D. Value-A 11

* 1. 

E. None of these

Answered

1. **Incorrect**

Question: 24

**\_\_\_\_\_\_\_\_** method cannot be inherited to subclass.

* 1. 

A. super

* 1. 

B. static

* 1. 

C. final

* 1. Correct Answer



D. private

* 1. Incorrect Answer



E. None of these

Answered

1. **Correct**

Question: 25

What is the output of the below program?

public class Person{  
public void talk(){  
System.out.print(“I am a Person”);  
}  
}

public class Student extends Person{  
public void talk(){  
System.out.print(“I am a Student”);  
}  
}

public class Test{  
public static void main(String args[]){  
Person p = new Student();  
p.talk();  
}  
}

* 1. 

A. I am a Person

* 1. Correct Answer



B. I am a Student

* 1. 

C. I am a Person I am a Student

* 1. 

D. I am a Student I am a Person

Answered

1. **Correct**

Question: 26

What is the output of the below program?  
class Car {  
public void start() {  
System.out.println(“Car started…”);  
}  
public Car m1() {  
return new Car();

}

}

class BMW extends Car {  
public void start() {  
System.out.println(“BMW started…”);  
}  
public BMW m1() {  
return new BMW();

}

}

class Audi extends Car {  
public void start() {  
System.out.println(“Audi started…”);  
}  
public Car m1() {  
return new Audi();  
}  
}

public class TestMCQ {  
public static void main(String[] args) {  
Car c1 = new Audi();  
c1.m1().start();  
}  
}

* 1. 

a.Car started…

* 1. 

b.BMW started…

* 1. Correct Answer



c.Audi started…

* 1. 

d. Compile time error

Answered

1. **Correct**

Question: 27

What is the output of the below program?  
class Fruit {  
int quantity = 5;

public void order() {

System.out.println(quantity + " kg ordered...");

}

public Fruit getFruit(Fruit f) {

return new Apple();

}

}

class Apple extends Fruit {  
int quantity = 10;

public void order() {

System.out.println(quantity + " kg ordered...");

}

public Fruit getFruit(Apple f) {

return new Orange();

}

}

class Orange extends Fruit {  
int quantity = 12;

public void order() {

System.out.println(quantity + " kg ordered...");

}

public Fruit getFruit(Apple f) {

return new Orange();

}

}

public class TestMCQ {  
public static void main(String[] args) {  
Orange o = new Orange();  
o.getFruit(o).order();

}

}

* 1. 

a. 5 kg ordered…

* 1. Correct Answer



b. 10 kg ordered…

* 1. 

c. 12 kg ordered…

* 1. 

d. Compile time error

Answered

1. **Correct**

Question: 28

What is the output of the below program?  
public class TestMCQ {  
public void m1(String s) {  
System.out.println(“String…”);  
}  
public void m1(Object o) {  
System.out.println(“Object…”);  
}  
public void m1(int i) {  
System.out.println(“int..”);  
}  
public static void main(String[] args) {  
TestMCQ t = new TestMCQ();  
t.m1(“10”);  
t.m1(null);  
}  
}

* 1. 

a.String…  
Object

* 1. Correct Answer



b.String…  
String…

* 1. 

c. int…  
String…

* 1. 

d. int…  
Object…

Answered

1. **Correct**

Question: 29

What is the output of the below program?  
class Bank {  
public void deposit() {  
System.out.println(“Amount deposited”);  
}  
private void loan() {  
System.out.println(“Loan approved”);  
}  
}

class SBI extends Bank {  
public void deposit() {  
System.out.println(“Amount deposited in SBI”);  
}  
private void loan() {  
System.out.println(“Loan approved by SBI”);  
}  
}  
public class TestMCQ {  
public static void main(String[] args) {  
Bank b = new SBI();  
b.deposit();  
b.loan();  
}  
}

* 1. 

a.Amount deposited  
Loan approved

* 1. 

b.Amount deposited in SBI  
Loan approved by SBI

* 1. 

c. Amount deposited in SBI  
Loan approved

* 1. 

d. Amount deposited  
Loan approved by SBI

* 1. Correct Answer



e. Compile time error

Answered

1. **Correct**

Question: 30

What is the output of the below program?  
class P {  
int x = 10;  
int y = 20;

public void add() {

System.out.println(x + y);

}

}  
class Q extends P {  
int x = 30;  
int y = 40;  
public void add() {  
System.out.println(x + y);  
}  
public void exchange() {  
this.x = super.x;  
this.y = super.y;  
}  
}

class R extends Q {  
public void exchange() {  
this.x = super.x;  
this.y = super.y;  
}  
public void add() {  
System.out.println(x + y);  
}  
}  
public class TestMCQ {  
public static void main(String[] args) {  
R r = new R();  
r.exchange();  
r.add();  
}  
}

* 1. 

a. 30

* 1. Correct Answer



b. 70

* 1. 

c. 0

* 1. 

d. Compile time error

Answered

1. **Correct**

Question: 31

What is the output of the below program?  
class M {  
void m1() {  
System.out.println(“m1 from M”);  
}  
}

class N extends M {  
public void m1() {  
System.out.println(“m1 from N”);  
super.m1();  
}  
}

class O extends N {  
void m1() {  
System.out.println(“m1 from O”);  
super.m1();  
}  
}

public class TestMCQ {  
public static void main(String[] args) {  
O o = new O();  
o.m1();  
}  
}

* 1. 

a. m1 from M  
m1 from N

* 1. 

b. m1 from O  
m1 from M

* 1. 

c. m1 from O  
m1 from N

* 1. Correct Answer



d. Compile time Error

Answered

1. **Incorrect**

Question: 32

which statement is false in the following Statements

* 1. Correct Answer



a.in a method multiple var-args parameters are allowed

* 1. 

b.the var-args argument must be the last parameter

* 1. Incorrect Answer



c. object var-args can store premitive type data

* 1. 

d. int var-args can store null

Answered

1. **Correct**

Question: 33

class Vehicle {  
public void printSound() {  
System.out.print(“vehicle”);  
}  
}

class Car extends Vehicle {  
public void printSound() {  
System.out.print(“car”);  
}  
}

class Bike extends Vehicle {  
public void printSound() {  
System.out.print(“bike”);  
}  
}

public class Test1 {  
public static void main(String[] args) {  
Vehicle v = new Car();  
Car c = (Car) v;

v.printSound();

c.printSound();

}

}

* 1. Correct Answer



a. car car

* 1. 

b. Compilation error

* 1. 

c. ClassCastException

* 1. 

d. vehicle car

Answered

1. **Correct**

Question: 34

public class Test2 {

public static void book(short a) {

System.out.print("short ");

}

public static void book(Short a) {

System.out.print("SHORT ");

}

public static void book(Long a) {

System.out.print("LONG ");

}

public static void main(String[] args) {

short shortRoom = 1;

int intRoom = 2;

book(shortRoom);

book(intRoom);

}

}

* 1. Correct Answer



a. compilation error

* 1. 

b. LONG

* 1. 

c. SHORT

* 1. 

d. short

Answered

[Continue](https://codehs.com/student/4767136/section/512694/assignment/124509918)

**JB\_OOP\_Inheritance\_Overriding\_Overloading**

MCQ-Overloading

1. **Correct**

Question: 1

public class TestOL {  
public void m1(int a) {  
System.out.println(“int”);  
}

public int m1(Integer a) {

System.out.println("Integer");

return 0;

}

public String m1(int... a) {

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

return null;

}

public static void main(String[] args) {

TestOL t = new TestOL();

int i = 10;

Integer io = 10;

t.m1(i);

t.m1(io);

}

}

* 1. 

A. Compile time error

* 1. Correct Answer



B. int  
Integer

* 1. 

C. int  
int

* 1. 

D. int  
int…

* 1. 

E. int  
Integer  
int…

Answered

1. **Correct**

Question: 2

public class TestOL {

public void m1(Integer a) {

System.out.println("Integer");

}

public void m1(Long a) {

System.out.println("Long");

}

public void m1(int... a) {

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

}

public static void main(String[] args) {

TestOL t = new TestOL();

byte b = 10;

Integer io = 10;

t.m1(b);

t.m1(io);

}

}

* 1. 

A. Compile time error

* 1. 

B. Integer  
Integer

* 1. 

C. Integer  
Long

* 1. Correct Answer



D. int…  
Integer

Answered

1. **Correct**

Question: 3

public class TestOL {

public void m1(Integer a) {

System.out.println("Integer");

}

public void m1(Long a) {

System.out.println("Long");

}

public void m1(Integer... a) {

System.out.println("Integer...");

}

public static void main(String[] args) {

TestOL t = new TestOL();

byte b = 10;

t.m1(b);

}

}

* 1. Correct Answer



A. Compile time error

* 1. 

B. Integer

* 1. 

C. Long

* 1. 

D. Integer…

Answered

1. **Correct**

Question: 4

public class TestOL {

public static void m1(char a) {

System.out.println("char");

}

public void m1(float f) {

System.out.println("float");

}

public static void main(String[] args) {

TestOL t = new TestOL();

byte b = 10;

t.m1(b);

}

}

* 1. 

A. Compile time error

* 1. 

B. char

* 1. Correct Answer



C. float

Answered

1. **Correct**

Question: 5

public class TestOL {

public static void m1(char a) {

System.out.println("char");

}

public void m1(float f) {

System.out.println("float");

}

public static final void m1(Object obj) {

System.out.println("Object");

}

public static void main(String[] args) {

TestOL t = new TestOL();

double d = 10;

t.m1(d);

}

}

* 1. 

A. Compile time error

* 1. 

B. char

* 1. 

C. float

* 1. Correct Answer



D. Object

Answered

1. **Correct**

Question: 6

public class TestOL {

public void m1(Number f) {

System.out.println("Number");

}

public void m1(Long l) {

System.out.println("Long");

}

public void m1(Object l) {

System.out.println("Object");

}

public static void main(String[] args) {

TestOL t = new TestOL();

t.m1(null);

}

}

* 1. 

A. Compile time error

* 1. 

B. Number

* 1. Correct Answer



C. Long

* 1. 

D. Object

Answered

1. **Correct**

Question: 7

public class TestOL {

public void m1(Integer f) {

System.out.println("Integer");

}

public void m1(String l) {

System.out.println("String");

}

public void m1(Object l) {

System.out.println("Object");

}

public static void main(String[] args) {

TestOL t = new TestOL();

t.m1(null);

}

}

* 1. Correct Answer



A. Compile time error

* 1. 

B. Integer

* 1. 

C. String

* 1. 

D. Object

Answered

1. **Correct**

Question: 8

public class TestOL {

public void m1(int... f) {

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

}

public void m1(byte b) {

System.out.println("byte");

}

public void m1(Object l) {

System.out.println("Object");

}

public static void main(String[] args) {

TestOL t = new TestOL();

t.m1(null);

}

}

* 1. 

A. Compile time error

* 1. Correct Answer



B. int…

* 1. 

C. byte

* 1. 

D. Object

Answered

1. **Correct**

Question: 9

public class TestOL {

public void m1(int... f) {

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

}

public void m1(char... b) {

System.out.println("char...");

}

public static void main(String[] args) {

TestOL t = new TestOL();

t.m1();

}

}

* 1. 

A. Compile time error

* 1. 

B. int…

* 1. Correct Answer



C. char…

* 1. 

D. No output

Answered

1. **Correct**

Question: 10

public class TestOL {

public void m1(short... f) {

System.out.println("short...");

}

public void m1(char... b) {

System.out.println("char...");

}

public static void main(String[] args) {

TestOL t = new TestOL();

t.m1();

}

}

* 1. Correct Answer



A. Compile time error

* 1. 

B. short…

* 1. 

C. char…

* 1. 

D. No output

Answered

1. **Correct**

Question: 11

public class TestOL {  
public void m1(short… f) {  
System.out.println(“short…”);  
}  
public void m1(boolean… b) {  
System.out.println(“boolean…”);  
}

public static void main(String[] args) {

TestOL t = new TestOL();

t.m1();

}

}

* 1. Correct Answer



A. Compile time error

* 1. 

B. short…

* 1. 

C. boolean…

* 1. 

D. No output

Answered

1. **Incorrect**

Question: 12

public class TestOL {  
public void m1(Integer… f) {  
System.out.println(“Integer…”);  
}  
public void m1(Long… b) {  
System.out.println(“Long…”);  
}  
public void m1(Object… obj) {  
System.out.println(“Object…”);  
}

public static void main(String[] args) {

TestOL t = new TestOL();

t.m1();

}

}

* 1. Correct Answer



A. Integer…

* 1. 

B. Long…

* 1. 

C. Object…

* 1. Incorrect Answer



D. Compile time error

Answered

1. **Correct**

Question: 13

public class TestOL {  
public void m1(Integer i) {  
System.out.println(“Integer”);  
}  
public void m1(Long l) {  
System.out.println(“Long”);  
}  
public void m1(Object… obj) {  
System.out.println(“Object…”);  
}

public static void main(String[] args) {

TestOL t = new TestOL();

char ch = 'A';

t.m1(ch);

}

}

* 1. 

A. Compile time error

* 1. 

B. Long

* 1. Correct Answer



C. Object…

* 1. 

D. Integer

Answered

1. **Correct**

Question: 14

class Animal {  
public void eat(Animal b) {  
System.out.println(“Animal is eating….”);  
}  
}  
class Lion extends Animal {  
public void eat(Lion l) {  
System.out.println(“Lion is eating….”);  
}  
}  
class Cub extends Lion {  
public void eat(Cub c) {  
System.out.println(“Cub is eating….”);  
}  
}

public class TestOL {

public static void main(String[] args) {

Animal a = new Cub();

a.eat(a);

a.eat((Cub)a);

}

}

* 1. 

A. Animal is eating  
Cub is eating

* 1. Correct Answer



B. Animal is eating  
Animal is eating

* 1. 

C. Cub is eating  
Cub is eating

* 1. 

D. Animal is eating  
Lion is eating

Answered

1. **Correct**

Question: 15

class Animal {  
public void eat(Animal b) {  
System.out.println(“Animal is eating….”);  
}  
}  
class Lion extends Animal {  
public void eat(Lion l) {  
System.out.println(“Lion is eating….”);  
}  
}  
class Cub extends Lion {  
public void eat(Cub c) {  
System.out.println(“Cub is eating….”);  
}  
}

public class TestOL {

public static void main(String[] args) {

Lion a = new Cub();

a.eat(a);

new Cub().eat(a);

}

}

* 1. Correct Answer



A. Lion is eating  
Lion is eating

* 1. 

B. Animal is eating  
Lion is eating

* 1. 

C. Cub is eating  
Cub is eating

* 1. 

D. Lion is eating  
Cub is eating

Answered

1. **Correct**

Question: 16

abstract class Poly{  
abstract void m1(Integer… i) ;  
}  
class Overload extends Poly{

@Override

void m1(Integer[] i) {

System.out.println("Integer[]");

}

void m1(Number... i) {

System.out.println("Number...");

}

void m1(Object... i) {

System.out.println("Object...");

}

}  
public class TestMCQ7 {  
public static void main(String[] args) {  
Overload o = new Overload();  
int b1=10;  
o.m1(b1,20);

}

}

* 1. 

A. Integer[]

* 1. Correct Answer



B. Number…

* 1. 

C. Object…

* 1. 

D. Compilation Error

Answered

1. **Incorrect**

Question: 17

abstract class Foo {}  
class Alpha extends Foo {}  
class Beta extends Alpha {}  
class Delta extends Beta {  
public static void main( String[] args ) {  
Beta x = new Beta();  
// insert code here //—line-7  
}  
}

Which code, inserted at line 7, will cause a java.lang.ClassCastException?

* 1. Incorrect Answer



A. Alpha a = x;

* 1. Correct Answer



B. Foo f = (Delta)x;

* 1. 

C. Foo f = (Alpha)x;

* 1. 

D. Beta b = (Beta)(Alpha)x;

Answered

1. **Incorrect**

Question: 18

1.abstract class Building { }  
2.public class Barn extends Building {  
3. public static void main(String[] args) {  
4. Building build1 = new Building();  
5. Barn barn1 = new Barn();  
6. Barn barn2 = (Barn) build1;  
7. Object obj1 = (Object) build1;  
8. String str1 = (String) build1;  
9. Building build2 = (Building) barn1;  
10. }  
11. }

Which is true?

* 1. Incorrect Answer



A. If line 6 is removed, the compilation succeeds.

* 1. 

B. If line 7 is removed, the compilation succeeds.

* 1. Correct Answer



C. If line 8 is removed, the compilation succeeds.

* 1. 

D. If line 9 is removed, the compilation succeeds.

* 1. 

E. More than one line must be removed for compilation to succeed.

Answered

1. **Incorrect**

Question: 19

Which method declarations, when inserted at (7), will not result in a compile-time  
error?  
class MySuperclass {  
public Integer step1(int i) { return 1; } // (1)  
protected String step2(String str1, String str2) { return str1; } // (2)  
public String step2(String str1) { return str1; } // (3)  
public static String step2() { return “Hi”; } // (4)  
public MyClass makeIt() { return new MyClass(); } // (5)  
public MySuperclass makeIt2() { return new MyClass(); } // (6)  
}  
public class MyClass extends MySuperclass {  
// (7) INSERT METHOD DECLARATION HERE  
}

Select the two correct answers.  
(a) public int step1(int i) { return 1; }  
(b) public String step2(String str2, String str1) { return str1; }  
(c) private void step2() { }  
(d) private static void step2() { }  
(e) private static String step2(String str) { return str; }  
(f) public MySuperclass makeIt() { return new MySuperclass(); }  
(g) public MyClass makeIt2() { return new MyClass(); }

* 1. 

(a) abg

* 1. 

(b) dg

* 1. Incorrect Answer



(c) b

* 1. 

(d) bfg

* 1. Correct Answer



(e) bg

Answered

1. **Incorrect**

Question: 20

Which is the simplest expression that can be inserted at (1), so that the program  
prints the value of the text field from the Message class?  
class Message {  
// The message that should be printed:  
String text = “Hello, world!”;  
}  
class MySuperclass {  
Message msg = new Message();  
}  
public class MyClass extends MySuperclass {  
public static void main(String[] args) {  
MyClass object = new MyClass();  
object.print();  
}  
public void print() {  
System.out.println( /\* (1) INSERT THE SIMPLEST EXPRESSION HERE \*/ );  
}  
}

Select the one correct answer.

* 1. Incorrect Answer



(a) Message.text

* 1. 

(b) msg.text

* 1. Correct Answer



(c) object.msg.text

* 1. 

(d) super.msg.text

* 1. 

(e) object.super.msg.text

Answered

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