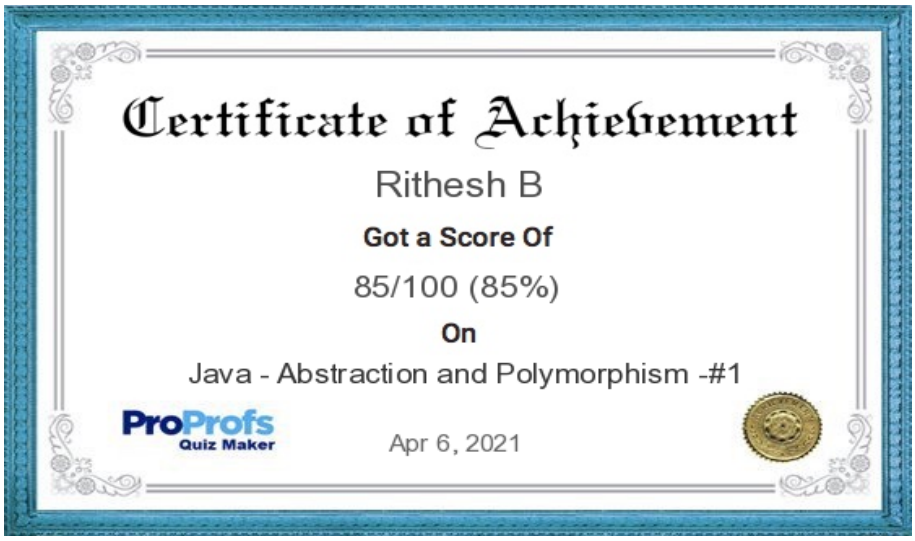
Java - Abstraction and Polymorphism -#1



Report Summary

Name	:	**Rithesh B**
Your Score	:	85 out of 100 (85%)
Correct Answers	:	17 Question
Incorrect Answers	:	3 Question
Unanswered	:	0 Question
Passing Grade (%)	:	70%
Time Taken	:	30 mins
Your Result	:	Pass
Email	:	rithesh@codecraft.co.in

Your Answers

Correct

Points earned: 5 out of 5

Q1) Can we declare class as private?

A. True

B. False (Your Answer)(Correct)

Correct

Points earned: 5 out of 5

Q2) Can we declare an abstract class without abstract methods?

A. True (Your Answer)(Correct)

B. False

Correct

Points earned: 5 out of 5

Q3) Dynamic Binding or Late Binding is:

A. Connecting the method and the parameters

B. Because of overridden method and the use of the appropriate method during execution (Your Answer)(Correct)

C. Because of overloaded methods

D. When formal parameters and actual parameters differ

Correct

Points earned: 5 out of 5

Q4) What is the order of access modifiers in JAVA ?

A. private - protected - public - default

B. private - default - protected- public (Your Answer)(Correct)

C. default - public - protected- private

D. private - default - public - protected

Correct

Points earned: 5 out of 5

Q5) Interfaces can contain _____ and _____ and abstract classes can contain _____ , _____and at least ___ _____ _____

A. Variables, constants,abstract methods and non abstract methods

B. Abstract methods,constants,instance variables, implemented methods and one abstract method (Your Answer)(Correct)

C. Constants, implemented methods, variables, abstract methods, overridden methods

Correct

Points earned: 5 out of 5

Q6) What is an abstract class?

A. An abstract class is one without any child classes

B. An abstract class is any parent class with more than one child class

C. An abstract class is a class which has at least one abstract method which cannot be instantiated. (Your Answer)(Correct)

D. Is a "base class"

Correct

Points earned: 5 out of 5

Q7) Does interface set an example for 100% abstraction?

A. True (Your Answer)(Correct)

B. False

Correct

Points earned: 5 out of 5

Q8) Access modifier protected sets an example for encapsulation

A. True

B. False (Your Answer)(Correct)

Incorrect

Points earned: 0 out of 5

Q9) Does a subclass that extends an abstract class have to give implementation to all the abstract methods of the superclass?

A. Not necessarily if the sub class is going to be declared abstract (Correct)

B. Yes-an abstract parent must have abstract children (Your Answer)(Incorrect)

C. No--an abstract parent mu have no children at all

D. Yes --all children of an abstract parent must be non-abstract

Correct

Points earned: 5 out of 5

Q10) A class that is declared final cannot be subclassed.

A. True (Your Answer)(Correct)

B. False

Correct

Points earned: 5 out of 5

Q11) What are the applicable access modifiers for the local variable?

A. Default

B. Private

C. Final (Your Answer)(Correct)

D. Public

Correct

Points earned: 5 out of 5

Q12) An abstract method cannot have a return type. True or false?

A. True

B. False (Your Answer)(Correct)

Correct

Points earned: 5 out of 5

Q13) Can an abstract class define both abstract methods and non-abstract methods?

A. Yes - the child classes will inherit both (Your Answer)(Correct)

B. Yes - but the child classes do not inherit the abstract methods

C. No--it must have all abstract methods

D. No--it must have all one or the other

Correct

Points earned: 5 out of 5

Q14) Can an interface have a class on top?

A. True

B. False (Your Answer)(Correct)

Incorrect

Points earned: 0 out of 5

Q15) Which is correct?

A. Abstract class extend a concrete class, interface and abstract class

B. Abstract class implements an abstract class and interface

C. Abstract class extends an abstract class and implements an interface (Correct)

D. Abstract class extends a concrete class and implements abstract class. (Your Answer)(Incorrect)

Correct

Points earned: 5 out of 5

Q16) Can an interface implement another interface?

A. True

B. False (Your Answer)(Correct)

Correct

Points earned: 5 out of 5

Q17) What is an interface?

A. A class with at least one abstract methods

B. A collection of abstract methods and constants (Your Answer)(Correct)

C. A super class with abstract method

D. A sub class with abstract method

Correct

Points earned: 5 out of 5

Q18) What is Polymorphism in Java?

A. An object which has abstract method

B. Multiple inheritance - polymorphism

C. Hiding under a different name

D. The feature of deciding which overridden method will be used at the run time of a prgram (Your Answer)(Correct)

Points earned: 0 out of 5

Incorrect

Q19) What is an abstract method?

A. is any method in an abstract class

B. Is a method which cannot be inherited

C. A method which is not implemented. The implementation for this method needs to be done in a non abstract class which extends this class. (Correct)

D. is a method in the child class that overrids a parent method (Your Answer)(Incorrect)

Correct

Points earned: 5 out of 5

Q20) In order for the following code to be correct, what must be the type of the reference variable card? _____ card; card=new Valentine("Joe",14); card=new Holiday("Bob"); card=new Birthday("Emily",12);

A. Valentine

B. Holilday

C. Birthday

D. Card (Your Answer)(Correct)