HomeWork 7

Q1:D: 3 Errors occured.

Q2:D: public

Q3:C : Code cannot be compiled due to two methods with the same name and the same parameter number.

Q4:A: Inheritance allows objects to access commonly used attributes and methods

Q5:A: Syntax error

Q6:A: Abstract classes are used to call the class(es) which does nothing yet.

Q7:D: Code does not compile

Q8:D: Java doesnt support multiple inheritance but through interface java supports multiple

inheritance.

Q9:A: Replace 'object' with method type and access modifier.

Q10:A: Return types must be covariant.

Q11:C: Code does not compile

Q12:A: Child class's method runs.

Q13:B: Static. (Interface methods are implicitly public)

Q14:C: Sprinting!

Q15:B: An interface cannot implement another interface in Java.

Q16: C: 3,5

Q17:B: Interfaces can only contain abstract methods ,unlike concrete classes

Q18:C: Error occures on line g3.

Q19:D: None of the above.

Q20:C: Implements, extends

Q21:A: Papyrus.

Q23:D: An abstract method can only set a visibility modifier, one of **public** or **protected**.

Q24:D: Code does not compie for another reason.

Q25:B:

Q26:B: Abstract.

Q27:D: Code does not compile.

Q28:C: The same method name.

Q29:C: Code does not compile due to a different reason

Q30:C: Hiding, hiding

Q31:D: Compiles without issue

Q32:C: Does not compile

Q33:B superclass, subclass

Q34:B Abstraction

Q35:D: 3 errors occured.

Q36:D: They can contain abstract methods

Q37:C: Code does not compile.

Q38: A: In **Java**, all non-static methods are by default "**virtual functions.**" Only methods marked with the **keyword final**, which cannot be overridden, along with **private methods**, which are not inherited, are **non-virtual**. **"Wikipedia"**

Q39:B: Implements-extends

Q40:C: Final methods/variables cannot be overridden but they can be hidden.

Q41:B:

Q42:C: An instance of the wolf class cannot be put into the place of Dog class. They are not related as parent-child class.

Q43:A final

Q44:A It compiles and at runtime prints "Lets start the party"

Q45:A overloaded – overridden

Q46:B If a parent class does not include a no-argument constructor, a child class must contain at least one constructor definition.

Q47:D object type-reference type

Q48:A

Q49:A: Allow interface methods to be inherited

Q50:C: Code does not compile