Classificate Code

Interview Question

what is the difference between oppand sop It is a type of programming 1 provides logical strucwhich is based on objects ture to a program rather than just function where program are and procedures divided function 2 Bottom-up approach 2. Top-down approach 3 provider date hiding 3 downot provide data I gat the water and 1900 schiding I wood 4 can solve problems of any 4 can solve moderate complexity problem 5 code can be rewed thereby 5 does not support code remability reducing redundancy reusabitite 02) What is Object Oriented Programming? on objects rather than just function and procedures OOPs implements relat-world entities like inheritance, polymorphim, hiding, etc into programming. It also allows binding data and code together. 935 why use oops 9 is endered & R - with -> Oops allows clarity who was to allo · oops allows data hiding, therefore private data is confidential . Problems can be divided into different parts making it simple to solve matical it allo mary introper paramen - Licohar Lagral classes Tou eq. if their is a chart buch a vectiet " action classes lite 'cert', but et

943 What are the main features of oops? Encaphulation Date Abstraction. 95) what is an object? I an object is real-world entity which is the basic unit of oops for eg. chair, cat, dog, etc attributer and laboured different states or attributes and behaviors. 96/ what is a class? who have primitions - A class is a prototype that consists of objects is different states and with different behaviour 97) Difference b/w a class & a structure? + class + wer defined blueprint from which object are created st connect of methods of set of instruction that are to be performed on the object and opat ! las structure + & structure is basically a user-defined collection of variables which are of different all date types weth, night that made no Latrebilnes w 98> perat is inheritance quit as no mader! Inheritance is a feature of ooks which allows classes inherit common perspecties from other classes. For eg. if there is a class such as 'vechiele' other classes like 'cer', bile' et

39 what is different types of inheritance? Single inhartance multiple inheritance theraichal inheritance typerid inheritance. A class contract and the contract of the class of glos différence b/w multiple 1 multilevel? It comes into picture I It means a cless inheris when a class inherits from another class which itself more than one base class is a subclass of some other bare class 2 Eg. A class defining a child wherite from two base 2 59 A class describing a sports car will inherit from a classes Mather and Father blue class Car which intuin intert another class vetticle. OIL what is hybrid inheritance) It is a combination of multiple of multipl musiquemulay marches to to the 2510 12) what in hiexarchial inheritance? + It refer to inheritance where one base class has more than one subcluses in like be aversioned 113/ What are dinitation of inheritance? - The parent class & the child class get Tightly compled Meed careful implementation else would tead to incorrect hourt man ins it mis at



914) What is superclass? A superclaw or base class is a class that act as a parent to some other class or classes. For eg. The vehicle class is a superclass of class as asomiredail invitor 15 915) What is a subclass? warmersdail best 1916 It subclass. p16 & what is folymouphism! + It refers to the ability to exist an multiple forme multiple défination can be given to a single interface. eg if you haite a class name vehicle, it can have a matrod named opeed by you earl define it because different vehicles have defferent speet alista v reals as Q17) What is static polymorphism ? Static polymorphism is a kind of polymorphism that occurs at a compile time eg overloading Q18) What is dynamic polymorphism? - Runtime polymorphism is a kind of polymorphism of dynamic poly morphism is a type of polymorphism which is revolved dearing lives Time by oversuding 13 behat are directalises at ue 19 hehat w mothed of overloading? - It is a feature of ooks which makes it possible to give the same hame to more than one



methods within a class if the arguments
passed differ.

passed differ.

what is method overriding?

what is method overending?

What is a feature of oops by which the child

It is a feature of oops by which the child

the sub class can dedefine methods

class or parent class.

what is operator overloading?

The respect to implementing operators wing were defined types based on the arguments were along with it

grungers to binding the date and the code that marks on the together in a lingle writ. It also allows date hiding a the date specified in one class is hidden from other class.

Here access specifies of alcess modifies are coaled keywords that determine the access bility of methods, classes etc in ools

that allows displaying only the important information and hiding the implementation details eg while siding a bike, we know that if we raise the acceletor, the speed will

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	increase, but we don't know how it
	actually happens.
	uculating range
01-1	data abstraction?
925	Abstract class
1-7	Abstract class Abstract method.
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926>	It is a class that consists of abstract
- 7	
1	The state of Olive and a
	The state of the s
027	can your create an intence of an abstract
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and	and I was and the topings alob will a
928	What is an interface that allow you to don't
→	It is a concept of loops that allows you to declar methods without defining them
V - 10 February	un waysham was to wastuggs wast
Joe m	Number of blue data abstraction & encapsulation
927	Data abstraction The Encasculation.
1.	Solve the problem at the I solve the problem at the
540	design level implementation level
toti	that attain duplying only the implies
2.0	mous showing important 2 Birds codes and data together
TIME V	repects while hiding wints a single unit and
is	indementation details hide it from the world.

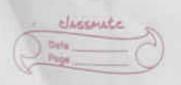
930 & what are virtual function ? + Virtual function are function that are present in the parent class and overridden by the subclass. These function is used to achieve scentine poly mouphin 931) What is a constructor? of a constructor is a special type of method that has the same name as the class and is used to initialize objects of that class. 932) what is a destructor? + A destructor is a method that is automaticall invoked when an object is destroyed. The destructor also recover the heap space that hear allocated to the destroyed object, closes The files and database connections of the object, otab steers water of the ote. 933) Type of constructor ? - Défaut contractor Parameterized Constructor Copy Constructor Static Constructor Private Constructor. P34) What is a copy constructor? of copy constructor creates object by copying variables from another object of the same cless. The main aim of a copy constructor is to create a new object from an existing one

Checute Prop

935) What is the are of finalize? I Einalize as an object method used to fine up unmanaged resources and cleanup best Yarbage collection (GIC) It performs memory management tasks 936) What is yarbage Collection) + GIC is an implementation of automatic memory management. The yarbage collector free up space occupied by object that are no longer in existence 937) Diffrentiate blue a class of a method? De Class Methods to 1 4 class is basually a 1. Callable set of instruction template that binds the also called a perocedure code of data together into or function that are to a single unit llaises be performed on the que consult of methods, variables data OTI What is a final variable? A variable whose value does not change It always refer to the same object by the property of non-teansversity. Mirale Combunita 939> What is an exception? - I am exception is a kind of notification that interupt the normal execution of the program Exceptions provide a pattern to the ever and transfer

The error to the exception handles to resome

it william as mail! -



040) What is exception handling? + Exception hardling in oop is very important concept that is used to manage every. In exception handles allow evou to be thrown and caught and implements a centralized mechanism to resolute them. 941) Difference blu on error & an exception? Exception Error condition that an 1 Errors are problems that should not be application might try to carch. encountered by applu-- ation. 942) what is try/catch block? A try/catch blocks is used to handle exception The try block defines a set of statements that may lead to an ever The carer block basically catches the exception. 943) what is finally block? - + A finally block comment of code that is used to brecute important code such as closing a connection, etc. This block executes when the try block exist 944) What are the limitation of OOPI) - muchly not suitable for small problems lequire intensive telting leguires proper planning

takes more time to solve the problem.