

Question 1

Object Oriented Programming

→→ Object Oriented Programming is a computerized Programming which designs the

>

Tusing the goloup
of data con
obrestware"

Object Oriented Programming
designs the software woing

object's classes but not using
the logics on the functions.

functions

Rojgarageal

→→ Object Oriented

Programming based languages

are C++ and Java .

→ Object Oriented

programming has many of

the features like

is Abstraction: Implementation data is

hidden, and functionality! data is
represented to the i Inheritance. The
process where the methods

the "class acquire
the acquire the

like Polymorphism :- The process
where the methods

methods of superclasses
properties and

can be used in many
forms.code

IV
E

point is reusable

in the
programmode

Encapsulation - The process of
binding up

Or wrapping up of the data
and methods together is
known

as

Encapsulation

Features of Java

Programming language @Object

Object Oriented

- Platform

Indipendence

C Simple secure

Architectural Neutral

C Portable @Robusth

@ Multithreading

@ Interpreted

@ High performance

@Dynamics

® Distributed .

Object Oriented

Kremy

T

→ Java Programming language is completely based on Object Oriented concept's like objects, classes, methods as well as abstraction, encapsulation, inheritance, polymorphism

com

Q.N

@ Platform Independencen etor →
Programming language like C, C++ are platform
she dependence But Java 13 platform Indipendent
→ Java produces a bytecode using the
compilation,
this bytecode is excecutable in any web

Ju

browser Support (SVM) Java Virtual Machine

→ So Java is platform

Independent © Java is Simple a

•As Java is based on the Object Oriented

Program -ming concepts, of the
programmers understands

If

Q. Nos.

OOP's concept, then Java
is simple

4 Secure

- As the implementation code is hidden
from the user. Only the functionality
code is viewed by the user. The
Java is maintaining a security! to hide the

most important code from the user

access

© Architectural Neutral

the

→Java program generates the
bytecode using t complication
process, this bytecode fly to
the nearby

machine architecture and executes the
program

→Hence, Java is architectural
neutral.

Portable

•Bince Java is architecturally
neutral, the code of the Java can
be easily pobitable to the |

multiple platform

Robust

The Java programmes designed in such a way that the code is prone to be error free, simple, portable and robust in nature.

R

Multithreading.

→ The Java program is designed such that the program solves multiple problems at a time This feature

feature 13 called as

"multithreading.

This

Nos.

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@interacted

Java is per interpreted by both
inairlater and competer to produced
bytecode whe is **excecutable** in
any platforen

Olligh

performance

→ As gava is rample, **robust**,
portable platfor independence and
earon face the Java to best in the
performance and **most** efficiently

us

Dynamic

A Java 13 dynamic in
nature enabling a the best
captures for the user

© Distributedade posa

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→ Java 13 well distributed as
performed in any

web browser

Program Java
Brogram

Jaya Compiler

compilation of

the Jand
Program

[Byte Code

Intermediate
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Window Lonuse Mac Executiong

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