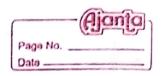
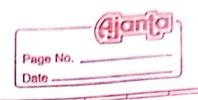
of Javas Assignme What is programming programming language nst suction, symbols and synta allow developers to oreate software and ser applications. It is used to write code that a computer can understand execute; performing + solving problems



Why do powe need a programming Janquage? Programming language is important our features of Java? Java is a popular high-level programm language that has serval key reatures: 4. Object - oxiented: Java is an object posiented programming language, which means that it supports encapsulation. inhertiance and polymosphism, making it easier to create modular reusable code 2. Platform Idependent: Java code is compiled into byte code, which can be sun on any device that has a Java vistual machine insatalled making it a platformindependent language. 3. Secure: Java was designed with security in mind and provides features such as type checking and automatic memoxy mago management to help prevent secusity vulnexabilities 1. Concussent: Java supposts multi-threading allowing multiple threads to run-concurrent within a single program improving performance and making it easier to create concurrent scalable applications.



5	Robust: Java bar built in exxox-bandling
	features, such as exception handling,
200	that maker it more sobust and less
و خوور	prone to crashes and exposs.
1116	Dynamic: Java is a dynamic language
	that supposts dynamic class loading,
A. W. S.	automotic memory magnagement
100	gastage collection and other leature
marox	that make it easier to develop and
7900+09	maintain applications
July July	Large community: Java har and axae,
ana	active community of developers and
MOTOL	USEX 8, making it earles to find held
TIDA	and resources and to collaborate with
3000 91	Egistes to execte mounds, stayton
2	9. Platjoxing Idependent istava code
	Whatirs an object? It begins
	An object is antinstance of a class,
Typour	which is a bluepoint that defines the
dixuna ?	structure and behavious of objects.
0	An object in Java is created by using
1 ×3000	the "new" operator to instantiate an
10000	instance of a classing
5	What is all class to some when
	A class in Javanis a blue print or a
Sexxi O	template fox creating objects. It
4000	defines the structure and behavious
	of objects that are instance of that
Vi Air	class can be throught of that
	class can be throught of as a blue print for executing objects, and the
	point on correct on a the



objects as instances of the blue point.
Explain about the main () me thad in Java The main () method in Java is the empty entry point of a Java application and is used to start the execution extent of a
entry point of a Java application and
is used to staxt the execution execution execution
beogram.
The main I method has the following
Public Static void main (string[] args)
Here's an example of a simple main()
method
Public class Hellowoodds
Public static void main (string [ ] asgx)
system.out. Print In ("Hello woold");
2
some 5.
The state of the s
The state of the s