**\* (Applications We Create Through Java):-**

The Applications That We Create Through Java Is.

(1).**Web Applications.**

**(2).Desktop Applications.**

**(3).Mobile Applications.**

**(4).Enterprise Applications.**

(5).**Distributed Applications.**

**(6).Scientific Applications.**

**(7).Games.**

**(8).Big Data Technologies.**

**(9).Cloud-Based Applications.**

* **WEB APPLICATIONS :-** Java provides several frameworks and technologies for building web applications, such as JavaServer Pages (JSP), Servlets, and JavaServer Faces (JSF). Popular frameworks Spring MVC, Struts, and Play Framework.
* **DESKTOP APPLICATIONS:-** Java Swing and JavaFX are popular libraries for building graphical user interface (GUI) applications. They Are Eclipse IDE, IntelliJ IDEA, and NetBeans IDE.
* **MOBILE APPLICATIONS:-** Android applications are primarily built using Java. Most Android apps (prior to Kotlin becoming more prevalent), including early versions of popular apps like Twitter and WhatsApp.
* **ENTERPRISE APPLICATIONS:-** Java is widely used for building large-scale enterprise applications. Technologies: Java EE (Enterprise Edition), Spring Boot, and Hibernate. Examples: Banking software, customer relationship management (CRM) systems, and enterprise resource planning (ERP) systems.
* **DISTRUBUTED APPLICATIONS:-** Java supports the development of distributed systems through technologies like Remote Method Invocation (RMI) and CORBA. Examples: Middleware applications, cloud services, and microservices architecture.
* **SCIENTIFIC APPLICATIONS:-**Java is used in scientific computing for its portability and performance. Libraries: Apache Commons Math, JScience. Examples: MATLAB, scientific calculators, simulation software.
* **GAMES:-** Java is used for both simple and complex game development. Libraries and frameworks: LibGDX, jMonkeyEngine. Examples: Minecraft (originally written in Java).
* **BIG DATA TECHNOLOGIES:-** Java is used in the development of big data technologies. Frameworks: Apache Hadoop, Apache Spark. Examples: Data processing engines, data analytics tools.
* **CLOUD BASED APPLICATIONS**:- Java is widely used in cloud computing environments. Examples: Cloud services provided by AWS, Google Cloud Platform, and Azure often support Java for developing scalable applications.