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PACKAGES

WHAT ARE PACKAGES ?

- PACKAGES IS A COLLECTION OF CLASSES AND INTERFACE
- USING PACKAGES WE CAN DIVIDE WE CAN DIVIDE LARGE APPLICATION CODE INTO MODULES AND SUB MODULES
- A SINGLE PROJECT CAN HAVE ANY NUMBER OF PACKAGES AND A PACKAGE CAN CONTAIN ANY NUMBER OF CLASSES AND INTERFACES

PACKAGE CREATION

- PACKAGE IS CREATED USING PACKAGE KEYWORD

SYNTAX : `PACKAGE PACKAGE_NAME;`

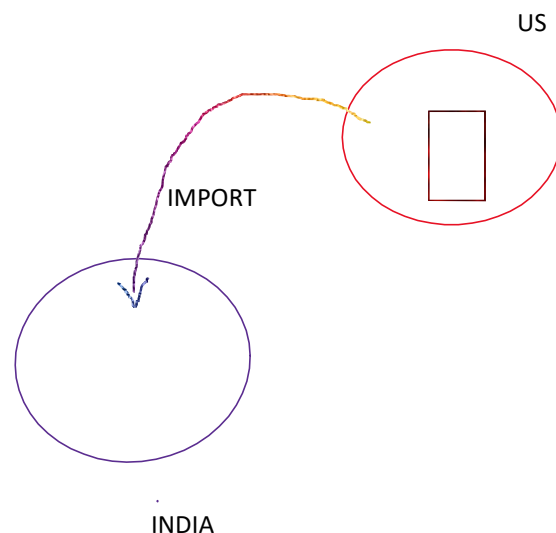
- THE PACKAGE STATEMENT SHOULD BE THE FIRST STATEMENT OF SOURCE FILE
- THIS STATEMENT INDICATES UNDER WHICH PACKAGE THE CURRENT CLASS IS CAREATED

EXAMPLE :

EXAMPLE OF BUILD IN PACKAGE :

- JAVA.UTIL
- JAVA.SQL
- JAVA.AWT
- JAVA.LANG

HOW TO USE PROPERTIES OF ONE CLASS IN ANOTHER CLASS WHICH ARE PRESENT IN DIFFERENT PACKAGE ?



- IF WE WANT TO ACCESS PROPERTIES OF ONE CLASS IN ANOTHER CLASS WHICH ARE PRESENT IN 2 DIFFERENT PACKAGES M THEN WE HAVE MAKE USE OF **import** KEYWORD.
- THE **import** KEYWORD IS USED TO IMPORT THE PROPERTIES OF ONE PACKAGE TO ANOTHER PACKAGE

- TO IMPORT THE PACKAGE /PROPERTIES WE FOLLOW THE GIVEN SYNTAX :

Import package_name.class_name;

- THE IMPORT STATEMENT WILL ALWAYS BE THE SECOND STATEMENT OF SOURCE FILE.

NOTE :

- Import java.util.Scanner;
- THE PROPERTIES THAT REQUIRED TO TAKE INPUT FROM THE USER ARE WRITTEN IN SCANNER CLASS.
- THIS **SCANNER** CLASS IS PRESENT IN THE **UTIL** PACKAGE AND THIS **UTIL** PACKAGE IS PRESENT UNDER **JAVA** PACKAGE.

HOW TO LAUNCH AND USE ECLIPSE

- OPEN ECLIPS ---> CREATE ONE WORK SPACE FOLDER ---> CLICK ON NEXT.
- GO TO FILE ---> SELECT NEW ---> SELECT PROJECT --> SELECT JAVA.PROJECT ---> CLICK ON NEXT
- GIVE A PROJECT NAME --> CLICK ON FINISH
- IN PACKAGE EXPLORER ---> RIGHT CLICK ON SRC ---> SELECT NEW ---> SELECT PACKAGE ----> PACKAGE NAME ----> CLICK ON PACKAGE NAME
- RIGH_CLICK ON PACKAGE_NAME ---> SELECT NEW --> SELECT CLASS ----> GIVE CLASS NAME ----> CLICK ON FINISH
- WRITE THE PROGRAM AND CLICK ON RUN TO EXECUTE

SHORTCUT :

MAIN METHOD : CONTROL + SPACE BAR

System.out.println() : syso --> CONTROL + SPACE BAR

