JA111 Day17

Q1) Write a method inside a class EmployeeBonus which will take the joining date in the form of a String and return the bonus in double.

- If Employee has less than 1 year of experience then give the bonus as 5000.
- If Employee is having 1 year or less than 2 years of experience then give the bonus as 8000.
- If Employee is having more than 2 years of experience then give the bonus as 10000.

Create a user-defined checked exception called InvalidAge exception
- If Employee passes any date which is in future then throw the InvalidAge exception with the message: "Age should not be in the future ".
- If Employee passes any date in the wrong format then throw the InvalidAge exception with the message: "Please pass the date in the correct format";

Create a Main class with the main method and call the method of EmployeeBonus class

Note: Employee class should not terminate abnormally

Q2) Write a method that accepts the date of birth from the user in the String form and returns the age of the user.
- If the supplied date is in the future then print the message: "Date should not be in Future".

- if the user will supply an invalid date format then throw a checked exception (User-defined exception) called "InvalidDateFormat" exception.

Call this method from the main method and display the appropriate result by handling the "InvalidDateFormat" exception.

Note: The application should not terminate abnormally.

Q3) Write an application, in which user will be prompted to enter startDate and endDate in the form of String in "dd-MM-yyyy" pattern.

- If the startDate is greater than end date, show the message to the user as : "Start date should be smaller than End date"
- if user passes the wrong date pattern then show the message to the user as: "Please enter date in dd-MM-yyyy" format"

Otherwise calculate the number of days and between start date and end date.Calculate and print the total wages (wages for 1 day is 1200).