import java.time.LocalDate;  
  
public class Main *{* public static void main*(*String*[]* args*) {* Account account = new Account*(*1122, 20000*)*;  
 account.setAnnualInterestRate*(*4.5*)*;  
 account.withdraw*(*2500*)*;  
 account.depoist*(*3000*)*;  
 System.*out*.println*(*"balance: " + account.getBalance*()* + "$"*)*;  
 System.*out*.println*(*"monthly rate is " + account.getMonthlyInterestRate*()* + "$"*)*;  
 System.*out*.println*(*"the account was created in " + account.getDateCreated*())*;  
 *}  
}*class Account *{* private int ID;  
 private double balance;  
 private double annualInterestRate;  
 private LocalDate dateCreated;  
  
 *// the default constructor* Account*() {* this.ID = 0;  
 this.balance = 0;  
 this.annualInterestRate = 0;  
 this.dateCreated = LocalDate.*now()*;  
 *}  
  
 // another constructor* Account*(*int id, double balance*) {* this.ID = id;  
 this.balance = balance;  
 this.annualInterestRate = 0;  
 this.dateCreated = LocalDate.*now()*;  
 *}  
  
 // getters and setters  
  
 // ID* public int getID*() {* return this.ID;  
 *}* public void setID*(*int id*){* this.ID = id;  
 *}  
  
 // balance* public double getBalance*() {* return this.balance;  
 *}* public void setBalance*(*double balance*) {* this.balance = balance;  
 *}  
  
 // annual interest rate* public double getAnnualInterestRate*() {* return this.annualInterestRate;  
 *}* public void setAnnualInterestRate*(*double annualInterestRate*) {* this.annualInterestRate = annualInterestRate;  
 *}  
  
 // date created* public LocalDate getDateCreated*() {* return this.dateCreated;  
 *}* public double getMonthlyInterestRate*() {* return *((*this.annualInterestRate / 100*)* \* this.balance*)* / 12.0;  
 *}* public void withdraw*(*double money*) {* this.balance = this.balance - money;  
 *}* public void depoist*(*double money*) {* this.balance = this.balance + money;  
 *}  
  
}*