

Bicycle, E-Bike- and E-Scooter Rentals

A simplified rental agency for bicycles, E-bikes and E-scooters shall be programmed and simulated.

The following UML diagram shows the to implement classes:

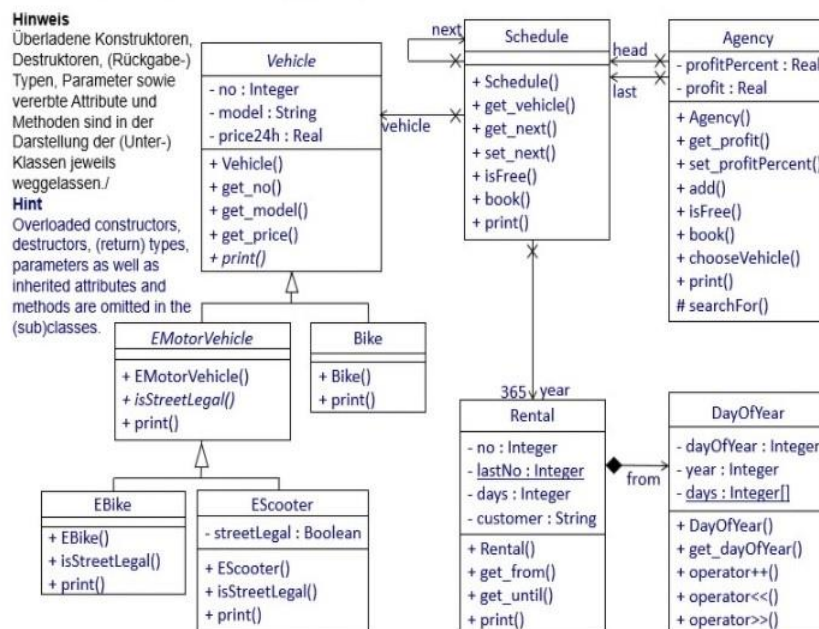
Fahrrad-, E-Bike- und E-Scooter Vermietungen/Bicycle, E-Bike- and E-Scooter Rentals

Es soll eine vereinfachte Vermietungsagentur von Fahrrädern, E-Bikes und E-Scootern programmiert und simuliert werden.

Das nachfolgende UML-Diagramm zeigt die zu implementierenden Klassen:/

A simplified rental agency for bicycles, E-bikes and E-scooters shall be programmed and simulated.

The following UML diagram shows the to implement classes:



Subtask class DayOfYear

Define a class with name **DayOfYear** to store a date with following members:

1. two private short unsigned integer attributes **dayOfYear** and **year**, whereas for the date the days of a year starting from January 1st (day 1) to December 31st (day 365) shall be stored.
2. a static constant private array **days** as class variable storing the number of the days in the year until January 31st, February 28th, March 31st, ... (leap years shall not be regarded). This class variable shall be defined and initialised outside of the class.
3. an overloaded public (standard) constructor with two default parameters for the day with default value 1 and the year with default value 365 to initialise both attributes.
4. an overloaded public constructor with three parameters for the day, month and year to initialise the day of the year. To simply calculate the day of the year use class attribute array days, e.g. for March 15th as day 74 (= 31+28+15 = 59+15).
5. a public method named **get_dayOfYear** without parameters returning the value of the respective attribute.
6. a public overloaded member operator **++** to increment a date exactly one day.
Hint: after December 31st the day will be January 1st of the following year.

7. a public friend overloaded input operator >> inputting a date in ISO format yyyy-mm-dd from a character input stream.
8. a public friend output operator << outputting a date onto an output stream in ISO format yyyy-mm-dd (see examples below).
9. Hint: the values for the month and day can be computed in the body from attributes **dayOfYear** using array days.

Subtask class Vehicle

Define an abstract class with name **Vehicle** with following members:

1. private constant integer attribute named **no** for an identification number of the vehicle.
2. a private C++ string attribute with name **model**.
3. a private attribute with name **price24h** of data type float for the rental price of one day of the vehicle
4. a public constructor with an integer, a C++ string and a floating point number as parameters to initialise the three private attributes.
5. a virtual destructor.
6. two public methods with names **get_no** and **get_model** without parameters returning the values of the respective attributes.
7. a public method with name **get_price** with an integer parameter for the number of rental days of the vehicle, which gets multiplied by the rental price of one day returned as function value.
8. a public pure virtual method with name **print** without parameter and without return value.

Subtask class Bike

Define a class for bicycles with name **Bike** inheriting public from class **Vehicle** with following members:

1. a public constructor with an integer and a C++ string as parameters to initialise the number and the model; the daily rental price shall always be 9,99 EUR.
2. a public virtual method with name **print** without parameter and without return type writing the number, the model and afterwards "(Bike)" onto the standard character output stream (see example below).

Subtask class EMotorVehicle

Define an abstract class with name **EMotorVehicle** inheriting public from class **Vehicle** with following members:

1. a public constructor with an integer, a C++ string and a floating point number as parameters to initialise the three attributes.
2. a public pure virtual method with name **is_streetLegal** without parameter and a Boolean return type.

3. a public virtual method with name **print** without parameter or return value writing the number, the model, and if the vehicle is not street legal "**(not street legal)**" onto the standard character output stream (see example below).

Subtask class EBike

Define a class with name EBike inheriting public from class EMotorVehicle with following members:

1. a public constructor with an integer, a C++ string and a floating point number as parameters to initialise the three attributes; the latter parameter shall be a default parameter with default value 29.99 EUR.
2. a public virtual method with name **is_streetLegal** without parameter always returning true (only street legal E-bikes are rented).
3. a public virtual method with name **print** without parameter and without return type calling the same name method of its direct upper class and afterwards writing "(EBike)" onto the standard character output stream (see example below).

Subtask class EScooter

Define a class with name EScooter inheriting public from class EMotorVehicle with following members:

1. a private Boolean attribute with name **streetLegal** whether the E-scooter is street legal.
2. a public constructor with an integer, a C++ string, a floating point number and a Boolean value as parameters to initialise the four attributes. The last two parameters shall be a default parameters with default values 19.99 EUR and **false**.
3. a public virtual method with name **is_streetLegal** without parameter returning the value of the respective attribute.
4. a public virtual method with name **print** without parameter and without return type calling the same name method of its direct upper class and afterwards writing "(EScooter)" onto the standard character output stream (see example below).

Subtask class Rental

Define a class for a rental with name **Rental** with following members:

1. a private constant integer attribute with name **no** storing a unique reservation number for the rental.
2. a private attribute with name **from** of above type **DayOfYear** storing the starting day of a rental.
3. a private integer attribute with name **days** storing the number of rental days.
4. a private C++ string attribute with name **customer** storing the renting person.
5. a private static integer class variable with name **last_no** to generate a sequence of reservation numbers, which gets incremented each time a new object of this class is generated by the constructor and therefore can be used to automatically take care that all reservations/rentals get a unique identifying number. This class variable shall be defined and initialised outside of the class.
6. a public constructor with a first string parameter for the renting person, a second parameter of type **DayOfYear** for the starting day of the rental and an integer default parameter for the number of rental days with a default value 1. Beside the initialisation of the attributes related

to the respective parameters the attribute `no` shall get a new unique sequential number using **last_no** (starting with rental number 1).

7. a public method with name **get_days** without parameter returning the value of the respective attribute.
8. two public methods with names **get_from** and **get_until** without parameters returning the start and end/return date of the rental of type **DayOfYear**. (Hint: in the body call/use above defined increment operator `++` of class **DayOfYear** in a loop **days** times.)
9. a public method with name **print** without parameter and without return type writing like in the examples below the start day of the rental, string "to", the end day of the rental, string ", **rental no**" and the reservation number as well as "for" and the renting person onto the standard character output stream

Subtask class Schedule

Define a class with name **Schedule** for a rental reservation schedule for a vehicle with a maximum of one year ahead with following members:

1. a private attribute with name **vehicle** of type pointer to **Vehicle** this schedule belongs to.
2. a private array of 365 pointers of class **Rental** with name **year** used to store a pointer to an object of type **Rental** for every day a rental exists maximum one year ahead (from today; e.g. on September 25th a rental starting at August 2nd of the following year can be booked; the year can be ignored; rentals are not allowed longing more than 28 days).
3. a private attribute with name **next** of type pointer to **Schedule** to set up a list of several to rent vehicles.
4. a public constructor with a single parameter of type pointer to a **Vehicle**. to initialise the respective attribute. Pointer **next** and all pointers in array **year** shall be set to null pointers (no rentals ahead).
5. a public method with name **get_vehicle** without parameter returning a pointer to the vehicle as function value.
6. a public method with name **get_next** without parameter returning a pointer to the next schedule as function value.
7. a public method with name **set_next** with a pointer of type **Schedule** as parameter assigning the respective attribute.
8. a public method with name **isFree** with a date of type **DayOfYear** as first parameter as start day of a planned rental, an integer number of **days** as second parameter, how long the rental is planned, and a Boolean return value. In the body it shall be checked whether the whole time period will be free (**return value true**) or not (**return value false**).
9. a public method with name **book** with a string for the renting person as first parameter, a date of type **DayOfYear** as second parameter for the start day of the rental, an integer number of days as third parameters, how long the rental is planned, and a floating point return value. In the body a new object of type **Rental** on the heap shall be generated and its address being stored in array **year** for each rental day in a loop (the index into the array for the start day of the rental can be calculated by sending a message **get_dayOfYear()** to the date object - don't forget to subtract 1). Return value shall be the price for this rental determined by a message **get_price** sent to the vehicle.
10. a public method with name **print** with a date of type **DayOfYear** as parameter without return type, sending a message **print** to the vehicle and afterwards a message **print** to the reservation object - if it exists, i.e. it is not a null pointer - for this day in the respective array element (see examples below).
11. a public method with name **print** without parameter and without return type, writing like in the example below a title "**SCHEDULE**", then sending a message **print** to the vehicle and afterwards

printing all rentals for the vehicle stored in array **year** together with their prices- each rental for several days shall be written only once, not again und again for each rental day.

Subtask class Agency

Define a class for the renting agency with name **Agency** with following members:

1. a private attribute **profitPercent** of type **float** for the profit percentage of the agency for each rental.
2. a private attribute **profit** of type **float** for the summed up profit of the agency.
3. two private pointer attributes with name **head** and **last** of type **Schedule** as pointers to the first and the last element of a list of schedules for all the vehicles of the agency.
4. a public standard constructor initialising the percentage of the profit to 20%, the profit to 0.00 EUR and the two pointers to null pointers.
5. a public method with name **get_profit** without parameter returning the value of the respective attribute.
6. a public method with name **set_profitPercentage** with a **float** parameter without return type assigning the value of the parameter to the respective attribute.
7. a public method with name **add** with a pointer of type **Vehicle** as parameter without return type allocating a new object of type **Schedule** on heap for this vehicle and appending it at the end of the list.
8. a protected method with name **searchFor** with an integer parameter and a pointer of type **Schedule** as return type searching in the list of schedules for the vehicle with the number given by the parameter and returning it.
9. a public method with name **isFree** with a first integer parameter for a vehicle number, a date of type **DayOfYear** as second parameter as start day of a planned rental, an integer number of days as third parameter, how long the rental is planned, and a Boolean return type. The method shall check whether the vehicle will be free at the desired time period or not. Therefore send to the object of type **Schedule**, which is returned by the search function in the previous item, a message **isFree** and return its value.
10. a public method with name **book** with a first integer parameter for a vehicle number, a string for the customer as second parameter, a date of type **DayOfYear** as third parameter as start day of a planned rental, an integer number of days as forth parameter, how long the rental is planned, and a float as return type. The method shall book the vehicle for the customer. Therefore send to the object of type **Schedule**, which is returned by the search function in the previous item, a message **book**. Calculate the profit by the profit percentage and the returned price value and add it to **profit**. Afterwards return the price
11. a public method with name **chooseVehicle** without parameter and an integer return type. In the body a list of the vehicles of all schedules shall be written onto standard character output stream, a vehicle number read from input and returned (see examples below). This functionality you can use later in function **main** in menu entry C.

12. a public method with name **print** with a date of type **DayOfYear** as parameter without return type. It shall output all reservations of all schedules at this date (see examples below).
13. a public method with name **print** without a parameter and without return type. It shall output all reservations of all schedules in the list as well as the value of **profit** (see examples below).

Subtask main

Define an object of class Agency and program a small menu inside a loop with in the example shown functionalities A to K for this object as given below. Define your classes and the functionalities of the menu entries step by step. Start for example with class DayOfYear, define two variables today and tomorrow and program first functionalities B, D and E (only output), then maybe G, H and I with the related classes, following e.g. C and F, and so on.

Optional for experts/additional points

Implement in L a simulation of reservations using random numbers for the vehicle number, the day/date of renting inbetween day 1 and 365, the number of rental days inbetween 1 and 7 and a string "customer" with a sequential number generated. A small example file to generate random numbers can be downloaded in the course.

Beispiel Programmlauf/Example Program Run

SIMPLIFIED SIMULATION OF A RENTAL AGENCY
=====

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-01
E print rental of tomorrow 2021-01-02
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: b
input date of today: 2021-01-08

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes

J add E-bikes
K add E-scooters
L new rental simulation
your choice: d
SCHEDULE FOR 2021-01-08

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: e
SCHEDULE FOR 2021-01-09

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: f
profit: 0.00 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: g
agency profit: 0.00 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08

E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: h
agency profit percent: 35

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: i
how many Bikes in this simulation? 3

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: f
SCHEDULE FOR 1: City1 (Bike)
SCHEDULE FOR 2: City2 (Bike)
SCHEDULE FOR 3: City3 (Bike)
profit: 0.00 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation

your choice: j
how many EBikes in this simulation? 4

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: f
SCHEDULE FOR 1: City1 (Bike)
SCHEDULE FOR 2: City2 (Bike)
SCHEDULE FOR 3: City3 (Bike)
SCHEDULE FOR 4: Trekky1 (EBike)
SCHEDULE FOR 5: Trekky2 (EBike)
SCHEDULE FOR 6: Trekky3 (EBike)
SCHEDULE FOR 7: Trekky4 (EBike)
profit: 0.00 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: i
how many Bikes in this simulation? 1

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: f
SCHEDULE FOR 1: City1 (Bike)
SCHEDULE FOR 2: City2 (Bike)
SCHEDULE FOR 3: City3 (Bike)

SCHEDULE FOR 4: Trekky1 (EBike)
SCHEDULE FOR 5: Trekky2 (EBike)
SCHEDULE FOR 6: Trekky3 (EBike)
SCHEDULE FOR 7: Trekky4 (EBike)
SCHEDULE FOR 8: City4 (Bike)
profit: 0.00 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: k
how many EScooters in this simulation? 3

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: f
SCHEDULE FOR 1: City1 (Bike)
SCHEDULE FOR 2: City2 (Bike)
SCHEDULE FOR 3: City3 (Bike)
SCHEDULE FOR 4: Trekky1 (EBike)
SCHEDULE FOR 5: Trekky2 (EBike)
SCHEDULE FOR 6: Trekky3 (EBike)
SCHEDULE FOR 7: Trekky4 (EBike)
SCHEDULE FOR 8: City4 (Bike)
SCHEDULE FOR 9: Scooty1 (not street legal) (EScooter)
SCHEDULE FOR 10: Scooty2 (not street legal) (EScooter)
SCHEDULE FOR 11: Scooty3 (not street legal) (EScooter)
profit: 0.00 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent

I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: c
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
10: Scooty2 (not street legal) (EScooter)
11: Scooty3 (not street legal) (EScooter)
choose vehicle no: 3
day of rental: 2021-02-12
number of days: 3
input data vehicle renter name:
Dilbert
booked, price for this rental: 29.97 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: d
SCHEDULE FOR 2021-01-08
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
10: Scooty2 (not street legal) (EScooter)
11: Scooty3 (not street legal) (EScooter)

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent

I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: f
SCHEDULE FOR 1: City1 (Bike)
SCHEDULE FOR 2: City2 (Bike)
SCHEDULE FOR 3: City3 (Bike)
2021-02-12 to 2021-02-15, rental no. 1 for Dilbert , total: 29.97 EUR
SCHEDULE FOR 4: Trekky1 (EBike)
SCHEDULE FOR 5: Trekky2 (EBike)
SCHEDULE FOR 6: Trekky3 (EBike)
SCHEDULE FOR 7: Trekky4 (EBike)
SCHEDULE FOR 8: City4 (Bike)
SCHEDULE FOR 9: Scooty1 (not street legal) (EScooter)
SCHEDULE FOR 10: Scooty2 (not street legal) (EScooter)
SCHEDULE FOR 11: Scooty3 (not street legal) (EScooter)
profit: 10.49 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: c
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
10: Scooty2 (not street legal) (EScooter)
11: Scooty3 (not street legal) (EScooter)
choose vehicle no: 5
day of rental: 2021-01-22
number of days: 1
input data vehicle renter name:
Wally
booked, price for this rental: 29.99 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit

H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: f
SCHEDULE FOR 1: City1 (Bike)
SCHEDULE FOR 2: City2 (Bike)
SCHEDULE FOR 3: City3 (Bike)
2021-02-12 to 2021-02-15, rental no. 1 for Dilbert , total: 29.97 EUR
SCHEDULE FOR 4: Trekky1 (EBike)
SCHEDULE FOR 5: Trekky2 (EBike)
2021-01-22 to 2021-01-23, rental no. 2 for Wally , total: 29.99 EUR
SCHEDULE FOR 6: Trekky3 (EBike)
SCHEDULE FOR 7: Trekky4 (EBike)
SCHEDULE FOR 8: City4 (Bike)
SCHEDULE FOR 9: Scooty1 (not street legal) (EScooter)
SCHEDULE FOR 10: Scooty2 (not street legal) (EScooter)
SCHEDULE FOR 11: Scooty3 (not street legal) (EScooter)
profit: 20.99 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: c
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
10: Scooty2 (not street legal) (EScooter)
11: Scooty3 (not street legal) (EScooter)
choose vehicle no: 3
day of rental: 2021-02-14
number of days: 2
sorry vehicle already booked

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit

H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: l
how many reservations to simulate? 10
rental vehicle 5 from 2021-09-19 for 6 days
rental vehicle 6 from 2021-04-07 for 2 days
rental vehicle 4 from 2021-05-24 for 2 days
rental vehicle 3 from 2021-10-27 for 3 days
rental vehicle 11 from 2021-12-29 for 5 days
rental vehicle 2 from 2021-05-19 for 3 days
rental vehicle 9 from 2021-01-09 for 6 days
rental vehicle 6 from 2021-03-11 for 1 days
rental vehicle 8 from 2021-09-29 for 7 days
rental vehicle 2 from 2021-01-02 for 3 days

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation

your choice: f

SCHEDULE FOR 1: City1 (Bike)

SCHEDULE FOR 2: City2 (Bike)

2021-01-02 to 2021-01-05, rental no. 12 for customer10 , total: 29.97 EUR

2021-05-19 to 2021-05-22, rental no. 8 for customer6 , total: 29.97 EUR

SCHEDULE FOR 3: City3 (Bike)

2021-02-12 to 2021-02-15, rental no. 1 for Dilbert , total: 29.97 EUR

2021-10-27 to 2021-10-30, rental no. 6 for customer4 , total: 29.97 EUR

SCHEDULE FOR 4: Trekky1 (EBike)

2021-05-24 to 2021-05-26, rental no. 5 for customer3 , total: 59.98 EUR

SCHEDULE FOR 5: Trekky2 (EBike)

2021-01-22 to 2021-01-23, rental no. 2 for Wally , total: 29.99 EUR

2021-09-19 to 2021-09-25, rental no. 3 for customer1 , total: 179.94 EUR

SCHEDULE FOR 6: Trekky3 (EBike)

2021-03-11 to 2021-03-12, rental no. 10 for customer8 , total: 29.99 EUR

2021-04-07 to 2021-04-09, rental no. 4 for customer2 , total: 59.98 EUR

SCHEDULE FOR 7: Trekky4 (EBike)

SCHEDULE FOR 8: City4 (Bike)

2021-09-29 to 2021-10-06, rental no. 11 for customer9 , total: 69.93 EUR

SCHEDULE FOR 9: Scooty1 (not street legal) (EScooter)

2021-01-09 to 2021-01-15, rental no. 9 for customer7 , total: 89.94 EUR

SCHEDULE FOR 10: Scooty2 (not street legal) (EScooter)

SCHEDULE FOR 11: Scooty3 (not street legal) (EScooter)

2021-12-29 to 2022-01-03, rental no. 7 for customer5 , total: 74.95 EUR

profit: 250.10 EUR

MENUE

A end of simulation

B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: 1
how many reservations to simulate? 50
rental vehicle 10 from 2021-07-27 for 3 days
rental vehicle 3 from 2021-07-01 for 2 days
rental vehicle 3 from 2021-03-30 for 7 days
rental vehicle 9 from 2021-02-05 for 3 days
rental vehicle 3 from 2021-07-14 for 6 days
rental vehicle 5 from 2021-07-15 for 2 days
rental vehicle 7 from 2021-09-18 for 1 days
rental vehicle 3 from 2021-08-16 for 6 days
rental vehicle 6 from 2021-11-11 for 2 days
rental vehicle 2 from 2021-12-11 for 5 days
rental vehicle 11 from 2021-04-06 for 3 days
rental vehicle 11 from 2021-04-12 for 2 days
rental vehicle 7 from 2021-08-21 for 5 days
rental vehicle 9 from 2021-07-26 for 6 days
rental vehicle 4 from 2021-07-24 for 4 days
rental vehicle 10 from 2021-07-07 for 3 days
rental vehicle 6 from 2021-04-15 for 6 days
rental vehicle 8 from 2021-06-02 for 2 days
rental vehicle 9 from 2021-05-20 for 3 days
rental vehicle 5 from 2021-02-28 for 7 days
rental vehicle 8 from 2021-08-17 for 7 days
rental vehicle 8 from 2021-09-09 for 5 days
rental vehicle 7 from 2021-03-07 for 6 days
rental vehicle 6 from 2021-11-07 for 6 days sorry vehicle already booked
rental vehicle 5 from 2021-06-25 for 4 days
rental vehicle 6 from 2021-04-17 for 2 days sorry vehicle already booked
rental vehicle 2 from 2021-03-16 for 7 days
rental vehicle 6 from 2021-03-18 for 2 days
rental vehicle 5 from 2021-12-17 for 7 days
rental vehicle 1 from 2021-03-04 for 2 days
rental vehicle 7 from 2021-08-18 for 2 days
rental vehicle 5 from 2021-09-29 for 7 days
rental vehicle 11 from 2021-09-16 for 1 days
rental vehicle 11 from 2021-02-04 for 6 days
rental vehicle 10 from 2021-12-12 for 5 days
rental vehicle 5 from 2021-03-05 for 7 days sorry vehicle already booked
rental vehicle 7 from 2021-07-13 for 4 days
rental vehicle 9 from 2021-04-19 for 6 days
rental vehicle 7 from 2021-11-06 for 3 days
rental vehicle 2 from 2021-09-25 for 1 days
rental vehicle 5 from 2021-04-10 for 7 days
rental vehicle 10 from 2021-01-26 for 5 days
rental vehicle 4 from 2021-05-05 for 4 days
rental vehicle 5 from 2021-05-11 for 6 days
rental vehicle 9 from 2021-10-19 for 2 days
rental vehicle 4 from 2021-09-12 for 6 days

rental vehicle 1 from 2021-08-13 for 4 days
rental vehicle 6 from 2021-09-20 for 6 days
rental vehicle 3 from 2021-12-11 for 3 days
rental vehicle 6 from 2021-12-29 for 2 days

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation

your choice: f

SCHEDULE FOR 1: City1 (Bike)

2021-03-04 to 2021-03-06, rental no. 40 for customer38 , total: 19.98 EUR
2021-08-13 to 2021-08-17, rental no. 56 for customer54 , total: 39.96 EUR

SCHEDULE FOR 2: City2 (Bike)

2021-01-02 to 2021-01-05, rental no. 12 for customer10 , total: 29.97 EUR
2021-03-16 to 2021-03-23, rental no. 37 for customer35 , total: 69.93 EUR
2021-05-19 to 2021-05-22, rental no. 8 for customer6 , total: 29.97 EUR
2021-09-25 to 2021-09-26, rental no. 49 for customer47 , total: 9.99 EUR
2021-12-11 to 2021-12-16, rental no. 22 for customer20 , total: 49.95 EUR

SCHEDULE FOR 3: City3 (Bike)

2021-02-12 to 2021-02-15, rental no. 1 for Dilbert , total: 29.97 EUR
2021-03-30 to 2021-04-06, rental no. 15 for customer13 , total: 69.93 EUR
2021-07-01 to 2021-07-03, rental no. 14 for customer12 , total: 19.98 EUR
2021-07-14 to 2021-07-20, rental no. 17 for customer15 , total: 59.94 EUR
2021-08-16 to 2021-08-22, rental no. 20 for customer18 , total: 59.94 EUR
2021-10-27 to 2021-10-30, rental no. 6 for customer4 , total: 29.97 EUR
2021-12-11 to 2021-12-14, rental no. 58 for customer56 , total: 29.97 EUR

SCHEDULE FOR 4: Trekky1 (EBike)

2021-05-05 to 2021-05-09, rental no. 52 for customer50 , total: 119.96 EUR
2021-05-24 to 2021-05-26, rental no. 5 for customer3 , total: 59.98 EUR
2021-07-24 to 2021-07-28, rental no. 27 for customer25 , total: 119.96 EUR
2021-09-12 to 2021-09-18, rental no. 55 for customer53 , total: 179.94 EUR

SCHEDULE FOR 5: Trekky2 (EBike)

2021-01-22 to 2021-01-23, rental no. 2 for Wally , total: 29.99 EUR
2021-02-28 to 2021-03-07, rental no. 32 for customer30 , total: 209.93 EUR
2021-04-10 to 2021-04-17, rental no. 50 for customer48 , total: 209.93 EUR
2021-05-11 to 2021-05-17, rental no. 53 for customer51 , total: 179.94 EUR
2021-06-25 to 2021-06-29, rental no. 36 for customer34 , total: 119.96 EUR
2021-07-15 to 2021-07-17, rental no. 18 for customer16 , total: 59.98 EUR
2021-09-19 to 2021-09-25, rental no. 3 for customer1 , total: 179.94 EUR
2021-09-29 to 2021-10-06, rental no. 42 for customer40 , total: 209.93 EUR
2021-12-17 to 2021-12-24, rental no. 39 for customer37 , total: 209.93 EUR

SCHEDULE FOR 6: Trekky3 (EBike)

2021-03-11 to 2021-03-12, rental no. 10 for customer8 , total: 29.99 EUR
2021-03-18 to 2021-03-20, rental no. 38 for customer36 , total: 59.98 EUR
2021-04-07 to 2021-04-09, rental no. 4 for customer2 , total: 59.98 EUR
2021-04-15 to 2021-04-21, rental no. 29 for customer27 , total: 179.94 EUR
2021-09-20 to 2021-09-26, rental no. 57 for customer55 , total: 179.94 EUR
2021-11-11 to 2021-11-13, rental no. 21 for customer19 , total: 59.98 EUR
2021-12-29 to 2021-12-31, rental no. 59 for customer57 , total: 59.98 EUR

SCHEDULE FOR 7: Trekky4 (EBike)

2021-03-07 to 2021-03-13, rental no. 35 for customer33 , total: 179.94 EUR
2021-07-13 to 2021-07-17, rental no. 46 for customer44 , total: 119.96 EUR
2021-08-18 to 2021-08-20, rental no. 41 for customer39 , total: 59.98 EUR
2021-08-21 to 2021-08-26, rental no. 25 for customer23 , total: 149.95 EUR
2021-09-18 to 2021-09-19, rental no. 19 for customer17 , total: 29.99 EUR
2021-11-06 to 2021-11-09, rental no. 48 for customer46 , total: 89.97 EUR

SCHEDULE FOR 8: City4 (Bike)

2021-06-02 to 2021-06-04, rental no. 30 for customer28 , total: 19.98 EUR
2021-08-17 to 2021-08-24, rental no. 33 for customer31 , total: 69.93 EUR
2021-09-09 to 2021-09-14, rental no. 34 for customer32 , total: 49.95 EUR
2021-09-29 to 2021-10-06, rental no. 11 for customer9 , total: 69.93 EUR

SCHEDULE FOR 9: Scooty1 (not street legal) (EScooter)

2021-01-09 to 2021-01-15, rental no. 9 for customer7 , total: 89.94 EUR
2021-02-05 to 2021-02-08, rental no. 16 for customer14 , total: 44.97 EUR
2021-04-19 to 2021-04-25, rental no. 47 for customer45 , total: 89.94 EUR
2021-05-20 to 2021-05-23, rental no. 31 for customer29 , total: 44.97 EUR
2021-07-26 to 2021-08-01, rental no. 26 for customer24 , total: 89.94 EUR
2021-10-19 to 2021-10-21, rental no. 54 for customer52 , total: 29.98 EUR

SCHEDULE FOR 10: Scooty2 (not street legal) (EScooter)

2021-01-26 to 2021-01-31, rental no. 51 for customer49 , total: 74.95 EUR
2021-07-07 to 2021-07-10, rental no. 28 for customer26 , total: 44.97 EUR
2021-07-27 to 2021-07-30, rental no. 13 for customer11 , total: 44.97 EUR
2021-12-12 to 2021-12-17, rental no. 45 for customer43 , total: 74.95 EUR

SCHEDULE FOR 11: Scooty3 (not street legal) (EScooter)

2021-12-29 to 2022-01-03, rental no. 7 for customer5 , total: 74.95 EUR
2021-02-04 to 2021-02-10, rental no. 44 for customer42 , total: 89.94 EUR
2021-04-06 to 2021-04-09, rental no. 23 for customer21 , total: 44.97 EUR
2021-04-12 to 2021-04-14, rental no. 24 for customer22 , total: 29.98 EUR
2021-09-16 to 2021-09-17, rental no. 43 for customer41 , total: 14.99 EUR
2021-12-29 to 2022-01-03, rental no. 7 for customer5 , total: 74.95 EUR

profit: 1677.41 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-08
E print rental of tomorrow 2021-01-09
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: b
input date of today: 2021-01-27

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes

J add E-bikes
K add E-scooters
L new rental simulation
your choice: d
SCHEDULE FOR 2021-01-27
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
10: Scooty2 (not street legal) (EScooter)
2021-01-26 to 2021-01-31, rental no. 51 for customer49 11: Scooty3 (not street legal) (EScooter)

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: e
SCHEDULE FOR 2021-01-28
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
10: Scooty2 (not street legal) (EScooter)
2021-01-26 to 2021-01-31, rental no. 51 for customer49 11: Scooty3 (not street legal) (EScooter)

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation

your choice: 1

how many reservations to simulate? 200

rental vehicle 8 from 2021-04-24 for 2 days
rental vehicle 3 from 2021-07-21 for 4 days
rental vehicle 8 from 2021-03-05 for 6 days
rental vehicle 8 from 2021-08-22 for 3 days sorry vehicle already booked
rental vehicle 9 from 2021-09-20 for 7 days
rental vehicle 7 from 2021-05-24 for 5 days
rental vehicle 8 from 2021-11-01 for 7 days
rental vehicle 9 from 2021-08-22 for 7 days
rental vehicle 2 from 2021-02-03 for 3 days
rental vehicle 4 from 2021-10-12 for 2 days
rental vehicle 1 from 2021-08-11 for 4 days sorry vehicle already booked
rental vehicle 11 from 2021-03-19 for 6 days
rental vehicle 2 from 2021-04-06 for 5 days
rental vehicle 4 from 2021-10-08 for 6 days sorry vehicle already booked
rental vehicle 10 from 2021-05-23 for 7 days
rental vehicle 11 from 2021-06-21 for 5 days
rental vehicle 1 from 2021-11-28 for 3 days
rental vehicle 7 from 2021-03-17 for 4 days
rental vehicle 9 from 2021-06-03 for 4 days
rental vehicle 8 from 2021-08-21 for 3 days sorry vehicle already booked
rental vehicle 1 from 2021-05-18 for 4 days
rental vehicle 7 from 2021-08-24 for 6 days sorry vehicle already booked
rental vehicle 9 from 2021-07-30 for 3 days sorry vehicle already booked
rental vehicle 9 from 2021-08-27 for 3 days sorry vehicle already booked
rental vehicle 1 from 2021-12-27 for 1 days
rental vehicle 3 from 2021-10-04 for 5 days
rental vehicle 2 from 2021-08-22 for 3 days
rental vehicle 1 from 2021-11-29 for 3 days sorry vehicle already booked
rental vehicle 1 from 2021-08-20 for 3 days
rental vehicle 11 from 2021-01-19 for 6 days
rental vehicle 11 from 2021-11-14 for 5 days
rental vehicle 7 from 2021-02-07 for 7 days
rental vehicle 10 from 2021-05-09 for 4 days
rental vehicle 9 from 2021-03-09 for 2 days
rental vehicle 5 from 2021-05-29 for 3 days
rental vehicle 5 from 2021-12-20 for 2 days sorry vehicle already booked
rental vehicle 3 from 2021-06-13 for 2 days
rental vehicle 6 from 2021-04-28 for 4 days
rental vehicle 2 from 2021-11-29 for 2 days
rental vehicle 1 from 2021-04-06 for 5 days
rental vehicle 10 from 2021-12-02 for 5 days
rental vehicle 4 from 2021-04-28 for 7 days sorry vehicle already booked
rental vehicle 6 from 2021-02-09 for 3 days
rental vehicle 4 from 2021-10-18 for 7 days
rental vehicle 2 from 2021-05-05 for 3 days
rental vehicle 5 from 2021-05-12 for 3 days sorry vehicle already booked
rental vehicle 11 from 2021-01-18 for 4 days sorry vehicle already booked
rental vehicle 10 from 2021-09-11 for 2 days
rental vehicle 3 from 2021-06-05 for 4 days
rental vehicle 5 from 2021-01-14 for 5 days
rental vehicle 8 from 2021-02-04 for 2 days
rental vehicle 2 from 2021-10-30 for 7 days
rental vehicle 2 from 2021-04-05 for 4 days sorry vehicle already booked
rental vehicle 7 from 2021-10-28 for 4 days
rental vehicle 2 from 2021-04-18 for 3 days
rental vehicle 9 from 2021-06-12 for 2 days
rental vehicle 10 from 2021-04-28 for 5 days

rental vehicle 2 from 2021-11-01 for 7 days sorry vehicle already booked
rental vehicle 9 from 2021-05-13 for 4 days
rental vehicle 4 from 2021-12-01 for 7 days
rental vehicle 9 from 2021-03-08 for 6 days sorry vehicle already booked
rental vehicle 9 from 2021-01-06 for 6 days sorry vehicle already booked
rental vehicle 10 from 2021-11-23 for 7 days
rental vehicle 8 from 2021-01-19 for 7 days
rental vehicle 2 from 2021-04-29 for 6 days sorry vehicle already booked
rental vehicle 4 from 2021-09-08 for 1 days
rental vehicle 7 from 2021-12-12 for 4 days
rental vehicle 8 from 2021-07-06 for 4 days
rental vehicle 3 from 2021-12-15 for 5 days
rental vehicle 2 from 2021-11-23 for 2 days
rental vehicle 2 from 2021-12-19 for 6 days
rental vehicle 1 from 2021-04-01 for 5 days sorry vehicle already booked
rental vehicle 4 from 2021-12-27 for 2 days
rental vehicle 10 from 2021-08-23 for 5 days
rental vehicle 6 from 2021-09-24 for 4 days sorry vehicle already booked
rental vehicle 5 from 2021-10-09 for 2 days
rental vehicle 8 from 2021-05-20 for 1 days
rental vehicle 4 from 2021-08-14 for 3 days
rental vehicle 1 from 2021-11-29 for 4 days sorry vehicle already booked
rental vehicle 10 from 2021-10-04 for 1 days
rental vehicle 2 from 2021-04-16 for 7 days sorry vehicle already booked
rental vehicle 8 from 2021-03-18 for 5 days
rental vehicle 9 from 2021-08-02 for 4 days
rental vehicle 5 from 2021-01-20 for 4 days sorry vehicle already booked
rental vehicle 10 from 2021-02-26 for 1 days
rental vehicle 2 from 2021-11-11 for 5 days
rental vehicle 10 from 2021-08-22 for 7 days sorry vehicle already booked
rental vehicle 6 from 2021-08-28 for 4 days
rental vehicle 3 from 2021-04-09 for 4 days
rental vehicle 5 from 2021-04-20 for 4 days
rental vehicle 3 from 2021-04-24 for 7 days
rental vehicle 4 from 2021-09-09 for 4 days sorry vehicle already booked
rental vehicle 10 from 2021-10-29 for 7 days
rental vehicle 11 from 2021-03-04 for 2 days
rental vehicle 7 from 2021-04-30 for 4 days
rental vehicle 1 from 2021-04-15 for 4 days
rental vehicle 2 from 2021-04-21 for 5 days sorry vehicle already booked
rental vehicle 3 from 2021-08-12 for 5 days sorry vehicle already booked
rental vehicle 4 from 2021-01-03 for 6 days
rental vehicle 1 from 2021-12-02 for 2 days
rental vehicle 1 from 2021-05-31 for 7 days
rental vehicle 1 from 2021-04-11 for 7 days sorry vehicle already booked
rental vehicle 2 from 2021-07-02 for 3 days
rental vehicle 5 from 2021-12-10 for 4 days
rental vehicle 7 from 2021-11-08 for 4 days sorry vehicle already booked
rental vehicle 6 from 2021-05-10 for 6 days
rental vehicle 8 from 2021-08-28 for 3 days
rental vehicle 8 from 2021-10-14 for 7 days
rental vehicle 3 from 2021-02-22 for 4 days
rental vehicle 6 from 2021-08-26 for 3 days sorry vehicle already booked
rental vehicle 9 from 2021-09-08 for 3 days
rental vehicle 4 from 2021-11-23 for 4 days
rental vehicle 7 from 2021-03-08 for 4 days sorry vehicle already booked
rental vehicle 3 from 2021-08-14 for 3 days sorry vehicle already booked
rental vehicle 9 from 2021-01-21 for 5 days
rental vehicle 8 from 2021-12-22 for 1 days

rental vehicle 5 from 2021-01-31 for 5 days
rental vehicle 4 from 2021-04-10 for 7 days
rental vehicle 2 from 2021-01-29 for 4 days
rental vehicle 1 from 2021-03-15 for 5 days
rental vehicle 8 from 2021-11-21 for 1 days
rental vehicle 7 from 2021-02-11 for 7 days sorry vehicle already booked
rental vehicle 5 from 2021-03-11 for 5 days
rental vehicle 5 from 2021-05-02 for 5 days
rental vehicle 9 from 2021-09-26 for 5 days sorry vehicle already booked
rental vehicle 8 from 2021-04-24 for 2 days sorry vehicle already booked
rental vehicle 7 from 2021-04-10 for 7 days
rental vehicle 9 from 2021-04-13 for 4 days
rental vehicle 6 from 2021-06-29 for 3 days
rental vehicle 8 from 2021-11-16 for 4 days
rental vehicle 8 from 2021-05-21 for 5 days sorry vehicle already booked
rental vehicle 2 from 2021-09-29 for 1 days
rental vehicle 1 from 2021-01-06 for 7 days
rental vehicle 11 from 2021-10-10 for 2 days
rental vehicle 11 from 2021-06-29 for 1 days
rental vehicle 10 from 2021-05-18 for 6 days sorry vehicle already booked
rental vehicle 9 from 2021-06-04 for 1 days sorry vehicle already booked
rental vehicle 4 from 2021-07-17 for 2 days
rental vehicle 8 from 2021-11-22 for 4 days sorry vehicle already booked
rental vehicle 5 from 2021-11-07 for 6 days
rental vehicle 9 from 2021-07-12 for 7 days
rental vehicle 11 from 2021-02-28 for 3 days
rental vehicle 2 from 2021-07-23 for 4 days
rental vehicle 9 from 2021-04-06 for 4 days
rental vehicle 11 from 2021-04-13 for 1 days sorry vehicle already booked
rental vehicle 6 from 2021-08-20 for 6 days
rental vehicle 4 from 2021-04-07 for 3 days sorry vehicle already booked
rental vehicle 4 from 2021-12-09 for 4 days
rental vehicle 6 from 2021-02-01 for 3 days
rental vehicle 6 from 2021-12-08 for 5 days
rental vehicle 11 from 2021-11-18 for 1 days sorry vehicle already booked
rental vehicle 3 from 2021-03-29 for 1 days sorry vehicle already booked
rental vehicle 8 from 2021-03-02 for 7 days sorry vehicle already booked
rental vehicle 6 from 2021-01-15 for 6 days
rental vehicle 1 from 2021-08-14 for 6 days sorry vehicle already booked
rental vehicle 4 from 2021-03-21 for 2 days
rental vehicle 1 from 2021-10-09 for 4 days
rental vehicle 9 from 2021-01-17 for 3 days
rental vehicle 1 from 2021-07-16 for 5 days
rental vehicle 3 from 2021-06-05 for 2 days sorry vehicle already booked
rental vehicle 9 from 2021-05-09 for 5 days sorry vehicle already booked
rental vehicle 7 from 2021-11-10 for 3 days
rental vehicle 1 from 2021-10-15 for 4 days
rental vehicle 2 from 2021-10-20 for 1 days
rental vehicle 5 from 2021-07-20 for 5 days
rental vehicle 1 from 2021-02-28 for 7 days sorry vehicle already booked
rental vehicle 6 from 2021-05-25 for 6 days
rental vehicle 1 from 2021-07-06 for 4 days
rental vehicle 7 from 2021-03-09 for 7 days sorry vehicle already booked
rental vehicle 5 from 2021-07-19 for 6 days sorry vehicle already booked
rental vehicle 9 from 2021-07-26 for 5 days sorry vehicle already booked
rental vehicle 1 from 2021-10-15 for 3 days sorry vehicle already booked
rental vehicle 10 from 2021-02-17 for 1 days
rental vehicle 1 from 2021-03-20 for 3 days sorry vehicle already booked
rental vehicle 8 from 2021-12-15 for 2 days

rental vehicle 9 from 2021-04-05 for 3 days sorry vehicle already booked
rental vehicle 10 from 2021-05-02 for 7 days sorry vehicle already booked
rental vehicle 11 from 2021-08-30 for 3 days
rental vehicle 6 from 2021-02-05 for 5 days sorry vehicle already booked
rental vehicle 7 from 2021-07-20 for 1 days
rental vehicle 4 from 2021-10-18 for 3 days sorry vehicle already booked
rental vehicle 6 from 2021-06-01 for 1 days
rental vehicle 8 from 2021-03-26 for 1 days
rental vehicle 4 from 2021-01-28 for 3 days
rental vehicle 7 from 2021-10-09 for 3 days
rental vehicle 5 from 2021-07-19 for 7 days sorry vehicle already booked
rental vehicle 7 from 2021-06-20 for 2 days
rental vehicle 3 from 2021-05-22 for 3 days
rental vehicle 1 from 2021-10-24 for 5 days
rental vehicle 2 from 2021-06-12 for 3 days
rental vehicle 8 from 2021-05-28 for 2 days
rental vehicle 6 from 2021-05-11 for 5 days sorry vehicle already booked
rental vehicle 6 from 2021-12-04 for 2 days
rental vehicle 9 from 2021-10-02 for 7 days
rental vehicle 3 from 2021-01-23 for 3 days
rental vehicle 10 from 2021-04-07 for 5 days
rental vehicle 6 from 2021-10-27 for 4 days
rental vehicle 8 from 2021-01-08 for 6 days
rental vehicle 11 from 2021-11-30 for 1 days
rental vehicle 11 from 2021-04-27 for 4 days

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation

your choice: f

SCHEDULE FOR 1: City1 (Bike)

2021-01-06 to 2021-01-13, rental no. 157 for customer155 , total: 69.93 EUR
2021-03-04 to 2021-03-06, rental no. 40 for customer38 , total: 19.98 EUR
2021-03-15 to 2021-03-20, rental no. 148 for customer146 , total: 49.95 EUR
2021-04-06 to 2021-04-11, rental no. 90 for customer88 , total: 49.95 EUR
2021-04-15 to 2021-04-19, rental no. 131 for customer129 , total: 39.96 EUR
2021-05-18 to 2021-05-22, rental no. 76 for customer74 , total: 39.96 EUR
2021-05-31 to 2021-06-07, rental no. 134 for customer132 , total: 69.93 EUR
2021-07-06 to 2021-07-10, rental no. 180 for customer178 , total: 39.96 EUR
2021-07-16 to 2021-07-21, rental no. 174 for customer172 , total: 49.95 EUR
2021-08-13 to 2021-08-17, rental no. 56 for customer54 , total: 39.96 EUR
2021-08-20 to 2021-08-23, rental no. 80 for customer78 , total: 29.97 EUR
2021-10-09 to 2021-10-13, rental no. 172 for customer170 , total: 39.96 EUR
2021-10-15 to 2021-10-19, rental no. 176 for customer174 , total: 39.96 EUR
2021-10-24 to 2021-10-29, rental no. 191 for customer189 , total: 49.95 EUR
2021-11-28 to 2021-12-01, rental no. 73 for customer71 , total: 29.97 EUR
2021-12-02 to 2021-12-04, rental no. 133 for customer131 , total: 19.98 EUR
2021-12-27 to 2021-12-28, rental no. 77 for customer75 , total: 9.99 EUR

SCHEDULE FOR 2: City2 (Bike)

2021-01-02 to 2021-01-05, rental no. 12 for customer10 , total: 29.97 EUR
2021-01-29 to 2021-02-02, rental no. 147 for customer145 , total: 39.96 EUR
2021-02-03 to 2021-02-06, rental no. 67 for customer65 , total: 29.97 EUR
2021-03-16 to 2021-03-23, rental no. 37 for customer35 , total: 69.93 EUR
2021-04-06 to 2021-04-11, rental no. 70 for customer68 , total: 49.95 EUR
2021-04-18 to 2021-04-21, rental no. 101 for customer99 , total: 29.97 EUR
2021-05-05 to 2021-05-08, rental no. 94 for customer92 , total: 29.97 EUR
2021-05-19 to 2021-05-22, rental no. 8 for customer6 , total: 29.97 EUR
2021-06-12 to 2021-06-15, rental no. 192 for customer190 , total: 29.97 EUR
2021-07-02 to 2021-07-05, rental no. 135 for customer133 , total: 29.97 EUR
2021-07-23 to 2021-07-27, rental no. 164 for customer162 , total: 39.96 EUR
2021-08-22 to 2021-08-25, rental no. 79 for customer77 , total: 29.97 EUR
2021-09-25 to 2021-09-26, rental no. 49 for customer47 , total: 9.99 EUR
2021-09-29 to 2021-09-30, rental no. 156 for customer154 , total: 9.99 EUR
2021-10-20 to 2021-10-21, rental no. 177 for customer175 , total: 9.99 EUR
2021-10-30 to 2021-11-06, rental no. 99 for customer97 , total: 69.93 EUR
2021-11-11 to 2021-11-16, rental no. 123 for customer121 , total: 49.95 EUR
2021-11-23 to 2021-11-25, rental no. 112 for customer110 , total: 19.98 EUR
2021-11-29 to 2021-12-01, rental no. 89 for customer87 , total: 19.98 EUR
2021-12-11 to 2021-12-16, rental no. 22 for customer20 , total: 49.95 EUR
2021-12-19 to 2021-12-25, rental no. 113 for customer111 , total: 59.94 EUR

SCHEDULE FOR 3: City3 (Bike)

2021-01-23 to 2021-01-26, rental no. 196 for customer194 , total: 29.97 EUR
2021-02-12 to 2021-02-15, rental no. 1 for Dilbert , total: 29.97 EUR
2021-02-22 to 2021-02-26, rental no. 140 for customer138 , total: 39.96 EUR
2021-03-30 to 2021-04-06, rental no. 15 for customer13 , total: 69.93 EUR
2021-04-09 to 2021-04-13, rental no. 125 for customer123 , total: 39.96 EUR
2021-04-24 to 2021-05-01, rental no. 127 for customer125 , total: 69.93 EUR
2021-05-22 to 2021-05-25, rental no. 190 for customer188 , total: 29.97 EUR
2021-06-05 to 2021-06-09, rental no. 96 for customer94 , total: 39.96 EUR
2021-06-13 to 2021-06-15, rental no. 87 for customer85 , total: 19.98 EUR
2021-07-01 to 2021-07-03, rental no. 14 for customer12 , total: 19.98 EUR
2021-07-14 to 2021-07-20, rental no. 17 for customer15 , total: 59.94 EUR
2021-07-21 to 2021-07-25, rental no. 61 for customer59 , total: 39.96 EUR
2021-08-16 to 2021-08-22, rental no. 20 for customer18 , total: 59.94 EUR
2021-10-04 to 2021-10-09, rental no. 78 for customer76 , total: 49.95 EUR
2021-10-27 to 2021-10-30, rental no. 6 for customer4 , total: 29.97 EUR
2021-12-11 to 2021-12-14, rental no. 58 for customer56 , total: 29.97 EUR
2021-12-15 to 2021-12-20, rental no. 111 for customer109 , total: 49.95 EUR

SCHEDULE FOR 4: Trekky1 (EBike)

2021-01-03 to 2021-01-09, rental no. 132 for customer130 , total: 179.94 EUR
2021-01-28 to 2021-01-31, rental no. 187 for customer185 , total: 89.97 EUR
2021-03-21 to 2021-03-23, rental no. 171 for customer169 , total: 59.98 EUR
2021-04-10 to 2021-04-17, rental no. 146 for customer144 , total: 209.93 EUR
2021-05-05 to 2021-05-09, rental no. 52 for customer50 , total: 119.96 EUR
2021-05-24 to 2021-05-26, rental no. 5 for customer3 , total: 59.98 EUR
2021-07-17 to 2021-07-19, rental no. 160 for customer158 , total: 59.98 EUR
2021-07-24 to 2021-07-28, rental no. 27 for customer25 , total: 119.96 EUR
2021-08-14 to 2021-08-17, rental no. 118 for customer116 , total: 89.97 EUR
2021-09-08 to 2021-09-09, rental no. 108 for customer106 , total: 29.99 EUR
2021-09-12 to 2021-09-18, rental no. 55 for customer53 , total: 179.94 EUR
2021-10-12 to 2021-10-14, rental no. 68 for customer66 , total: 59.98 EUR
2021-10-18 to 2021-10-25, rental no. 93 for customer91 , total: 209.93 EUR
2021-11-23 to 2021-11-27, rental no. 142 for customer140 , total: 119.96 EUR
2021-12-01 to 2021-12-08, rental no. 105 for customer103 , total: 209.93 EUR
2021-12-09 to 2021-12-13, rental no. 167 for customer165 , total: 119.96 EUR
2021-12-27 to 2021-12-29, rental no. 114 for customer112 , total: 59.98 EUR

SCHEDULE FOR 5: Trekky2 (EBike)

2021-01-14 to 2021-01-19, rental no. 97 for customer95 , total: 149.95 EUR

2021-01-22 to 2021-01-23, rental no. 2 for Wally , total: 29.99 EUR
2021-01-31 to 2021-02-05, rental no. 145 for customer143 , total: 149.95 EUR
2021-02-28 to 2021-03-07, rental no. 32 for customer30 , total: 209.93 EUR
2021-03-11 to 2021-03-16, rental no. 150 for customer148 , total: 149.95 EUR
2021-04-10 to 2021-04-17, rental no. 50 for customer48 , total: 209.93 EUR
2021-04-20 to 2021-04-24, rental no. 126 for customer124 , total: 119.96 EUR
2021-05-02 to 2021-05-07, rental no. 151 for customer149 , total: 149.95 EUR
2021-05-11 to 2021-05-17, rental no. 53 for customer51 , total: 179.94 EUR
2021-05-29 to 2021-06-01, rental no. 86 for customer84 , total: 89.97 EUR
2021-06-25 to 2021-06-29, rental no. 36 for customer34 , total: 119.96 EUR
2021-07-15 to 2021-07-17, rental no. 18 for customer16 , total: 59.98 EUR
2021-07-20 to 2021-07-25, rental no. 178 for customer176 , total: 149.95 EUR
2021-09-19 to 2021-09-25, rental no. 3 for customer1 , total: 179.94 EUR
2021-09-29 to 2021-10-06, rental no. 42 for customer40 , total: 209.93 EUR
2021-10-09 to 2021-10-11, rental no. 116 for customer114 , total: 59.98 EUR
2021-11-07 to 2021-11-13, rental no. 161 for customer159 , total: 179.94 EUR
2021-12-10 to 2021-12-14, rental no. 136 for customer134 , total: 119.96 EUR
2021-12-17 to 2021-12-24, rental no. 39 for customer37 , total: 209.93 EUR

SCHEDULE FOR 6: Trekky3 (EBike)

2021-01-15 to 2021-01-21, rental no. 170 for customer168 , total: 179.94 EUR
2021-02-01 to 2021-02-04, rental no. 168 for customer166 , total: 89.97 EUR
2021-02-09 to 2021-02-12, rental no. 92 for customer90 , total: 89.97 EUR
2021-03-11 to 2021-03-12, rental no. 10 for customer8 , total: 29.99 EUR
2021-03-18 to 2021-03-20, rental no. 38 for customer36 , total: 59.98 EUR
2021-04-07 to 2021-04-09, rental no. 4 for customer2 , total: 59.98 EUR
2021-04-15 to 2021-04-21, rental no. 29 for customer27 , total: 179.94 EUR
2021-04-28 to 2021-05-02, rental no. 88 for customer86 , total: 119.96 EUR
2021-05-10 to 2021-05-16, rental no. 137 for customer135 , total: 179.94 EUR
2021-05-25 to 2021-05-31, rental no. 179 for customer177 , total: 179.94 EUR
2021-06-01 to 2021-06-02, rental no. 185 for customer183 , total: 29.99 EUR
2021-06-29 to 2021-07-02, rental no. 154 for customer152 , total: 89.97 EUR
2021-08-20 to 2021-08-26, rental no. 166 for customer164 , total: 179.94 EUR
2021-08-28 to 2021-09-01, rental no. 124 for customer122 , total: 119.96 EUR
2021-09-20 to 2021-09-26, rental no. 57 for customer55 , total: 179.94 EUR
2021-10-27 to 2021-10-31, rental no. 198 for customer196 , total: 119.96 EUR
2021-11-11 to 2021-11-13, rental no. 21 for customer19 , total: 59.98 EUR
2021-12-04 to 2021-12-06, rental no. 194 for customer192 , total: 59.98 EUR
2021-12-08 to 2021-12-13, rental no. 169 for customer167 , total: 149.95 EUR
2021-12-29 to 2021-12-31, rental no. 59 for customer57 , total: 59.98 EUR

SCHEDULE FOR 7: Trekky4 (EBike)

2021-02-07 to 2021-02-14, rental no. 83 for customer81 , total: 209.93 EUR
2021-03-07 to 2021-03-13, rental no. 35 for customer33 , total: 179.94 EUR
2021-03-17 to 2021-03-21, rental no. 74 for customer72 , total: 119.96 EUR
2021-04-10 to 2021-04-17, rental no. 152 for customer150 , total: 209.93 EUR
2021-04-30 to 2021-05-04, rental no. 130 for customer128 , total: 119.96 EUR
2021-05-24 to 2021-05-29, rental no. 64 for customer62 , total: 149.95 EUR
2021-06-20 to 2021-06-22, rental no. 189 for customer187 , total: 59.98 EUR
2021-07-13 to 2021-07-17, rental no. 46 for customer44 , total: 119.96 EUR
2021-07-20 to 2021-07-21, rental no. 184 for customer182 , total: 29.99 EUR
2021-08-18 to 2021-08-20, rental no. 41 for customer39 , total: 59.98 EUR
2021-08-21 to 2021-08-26, rental no. 25 for customer23 , total: 149.95 EUR
2021-09-18 to 2021-09-19, rental no. 19 for customer17 , total: 29.99 EUR
2021-10-09 to 2021-10-12, rental no. 188 for customer186 , total: 89.97 EUR
2021-10-28 to 2021-11-01, rental no. 100 for customer98 , total: 119.96 EUR
2021-11-06 to 2021-11-09, rental no. 48 for customer46 , total: 89.97 EUR
2021-11-10 to 2021-11-13, rental no. 175 for customer173 , total: 89.97 EUR
2021-12-12 to 2021-12-16, rental no. 109 for customer107 , total: 119.96 EUR

SCHEDULE FOR 8: City4 (Bike)

2021-01-08 to 2021-01-14, rental no. 199 for customer197 , total: 59.94 EUR

2021-01-19 to 2021-01-26, rental no. 107 for customer105 , total: 69.93 EUR
 2021-02-04 to 2021-02-06, rental no. 98 for customer96 , total: 19.98 EUR
 2021-03-05 to 2021-03-11, rental no. 62 for customer60 , total: 59.94 EUR
 2021-03-18 to 2021-03-23, rental no. 120 for customer118 , total: 49.95 EUR
 2021-03-26 to 2021-03-27, rental no. 186 for customer184 , total: 9.99 EUR
 2021-04-24 to 2021-04-26, rental no. 60 for customer58 , total: 19.98 EUR
 2021-05-20 to 2021-05-21, rental no. 117 for customer115 , total: 9.99 EUR
 2021-05-28 to 2021-05-30, rental no. 193 for customer191 , total: 19.98 EUR
 2021-06-02 to 2021-06-04, rental no. 30 for customer28 , total: 19.98 EUR
 2021-07-06 to 2021-07-10, rental no. 110 for customer108 , total: 39.96 EUR
 2021-08-17 to 2021-08-24, rental no. 33 for customer31 , total: 69.93 EUR
 2021-08-28 to 2021-08-31, rental no. 138 for customer136 , total: 29.97 EUR
 2021-09-09 to 2021-09-14, rental no. 34 for customer32 , total: 49.95 EUR
 2021-09-29 to 2021-10-06, rental no. 11 for customer9 , total: 69.93 EUR
 2021-10-14 to 2021-10-21, rental no. 139 for customer137 , total: 69.93 EUR
 2021-11-01 to 2021-11-08, rental no. 65 for customer63 , total: 69.93 EUR
 2021-11-16 to 2021-11-20, rental no. 155 for customer153 , total: 39.96 EUR
 2021-11-21 to 2021-11-22, rental no. 149 for customer147 , total: 9.99 EUR
 2021-12-15 to 2021-12-17, rental no. 182 for customer180 , total: 19.98 EUR
 2021-12-22 to 2021-12-23, rental no. 144 for customer142 , total: 9.99 EUR
 SCHEDULE FOR 9: Scooty1 (not street legal) (EScooter)
 2021-01-09 to 2021-01-15, rental no. 9 for customer7 , total: 89.94 EUR
 2021-01-17 to 2021-01-20, rental no. 173 for customer171 , total: 44.97 EUR
 2021-01-21 to 2021-01-26, rental no. 143 for customer141 , total: 74.95 EUR
 2021-02-05 to 2021-02-08, rental no. 16 for customer14 , total: 44.97 EUR
 2021-03-09 to 2021-03-11, rental no. 85 for customer83 , total: 29.98 EUR
 2021-04-06 to 2021-04-10, rental no. 165 for customer163 , total: 59.96 EUR
 2021-04-13 to 2021-04-17, rental no. 153 for customer151 , total: 59.96 EUR
 2021-04-19 to 2021-04-25, rental no. 47 for customer45 , total: 89.94 EUR
 2021-05-13 to 2021-05-17, rental no. 104 for customer102 , total: 59.96 EUR
 2021-05-20 to 2021-05-23, rental no. 31 for customer29 , total: 44.97 EUR
 2021-06-03 to 2021-06-07, rental no. 75 for customer73 , total: 59.96 EUR
 2021-06-12 to 2021-06-14, rental no. 102 for customer100 , total: 29.98 EUR
 2021-07-12 to 2021-07-19, rental no. 162 for customer160 , total: 104.93 EUR
 2021-07-26 to 2021-08-01, rental no. 26 for customer24 , total: 89.94 EUR
 2021-08-02 to 2021-08-06, rental no. 121 for customer119 , total: 59.96 EUR
 2021-08-22 to 2021-08-29, rental no. 66 for customer64 , total: 104.93 EUR
 2021-09-08 to 2021-09-11, rental no. 141 for customer139 , total: 44.97 EUR
 2021-09-20 to 2021-09-27, rental no. 63 for customer61 , total: 104.93 EUR
 2021-10-02 to 2021-10-09, rental no. 195 for customer193 , total: 104.93 EUR
 2021-10-19 to 2021-10-21, rental no. 54 for customer52 , total: 29.98 EUR
 SCHEDULE FOR 10: Scooty2 (not street legal) (EScooter)
 2021-01-26 to 2021-01-31, rental no. 51 for customer49 , total: 74.95 EUR
 2021-02-17 to 2021-02-18, rental no. 181 for customer179 , total: 14.99 EUR
 2021-02-26 to 2021-02-27, rental no. 122 for customer120 , total: 14.99 EUR
 2021-04-07 to 2021-04-12, rental no. 197 for customer195 , total: 74.95 EUR
 2021-04-28 to 2021-05-03, rental no. 103 for customer101 , total: 74.95 EUR
 2021-05-09 to 2021-05-13, rental no. 84 for customer82 , total: 59.96 EUR
 2021-05-23 to 2021-05-30, rental no. 71 for customer69 , total: 104.93 EUR
 2021-07-07 to 2021-07-10, rental no. 28 for customer26 , total: 44.97 EUR
 2021-07-27 to 2021-07-30, rental no. 13 for customer11 , total: 44.97 EUR
 2021-08-23 to 2021-08-28, rental no. 115 for customer113 , total: 74.95 EUR
 2021-09-11 to 2021-09-13, rental no. 95 for customer93 , total: 29.98 EUR
 2021-10-04 to 2021-10-05, rental no. 119 for customer117 , total: 14.99 EUR
 2021-10-29 to 2021-11-05, rental no. 128 for customer126 , total: 104.93 EUR
 2021-11-23 to 2021-11-30, rental no. 106 for customer104 , total: 104.93 EUR
 2021-12-02 to 2021-12-07, rental no. 91 for customer89 , total: 74.95 EUR
 2021-12-12 to 2021-12-17, rental no. 45 for customer43 , total: 74.95 EUR
 SCHEDULE FOR 11: Scooty3 (not street legal) (EScooter)

2021-12-29 to 2022-01-03, rental no. 7 for customer5 , total: 74.95 EUR
2021-01-19 to 2021-01-25, rental no. 81 for customer79 , total: 89.94 EUR
2021-02-04 to 2021-02-10, rental no. 44 for customer42 , total: 89.94 EUR
2021-02-28 to 2021-03-03, rental no. 163 for customer161 , total: 44.97 EUR
2021-03-04 to 2021-03-06, rental no. 129 for customer127 , total: 29.98 EUR
2021-03-19 to 2021-03-25, rental no. 69 for customer67 , total: 89.94 EUR
2021-04-06 to 2021-04-09, rental no. 23 for customer21 , total: 44.97 EUR
2021-04-12 to 2021-04-14, rental no. 24 for customer22 , total: 29.98 EUR
2021-04-27 to 2021-05-01, rental no. 201 for customer199 , total: 59.96 EUR
2021-06-21 to 2021-06-26, rental no. 72 for customer70 , total: 74.95 EUR
2021-06-29 to 2021-06-30, rental no. 159 for customer157 , total: 14.99 EUR
2021-08-30 to 2021-09-02, rental no. 183 for customer181 , total: 44.97 EUR
2021-09-16 to 2021-09-17, rental no. 43 for customer41 , total: 14.99 EUR
2021-10-10 to 2021-10-12, rental no. 158 for customer156 , total: 29.98 EUR
2021-11-14 to 2021-11-19, rental no. 82 for customer80 , total: 74.95 EUR
2021-11-30 to 2021-12-01, rental no. 200 for customer198 , total: 14.99 EUR
2021-12-29 to 2022-01-03, rental no. 7 for customer5 , total: 74.95 EUR
profit: 5243.69 EUR

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: d

SCHEDULE FOR 2021-01-27

1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
10: Scooty2 (not street legal) (EScooter)
2021-01-26 to 2021-01-31, rental no. 51 for customer49 11: Scooty3 (not street legal) (EScooter)

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters

L new rental simulation
your choice: e
SCHEDULE FOR 2021-01-28
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
2021-01-28 to 2021-01-31, rental no. 187 for customer185 5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
10: Scooty2 (not street legal) (EScooter)
2021-01-26 to 2021-01-31, rental no. 51 for customer49 11: Scooty3 (not street legal) (EScooter)

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation

your choice: l

how many reservations to simulate? 200

rental vehicle 2 from 2021-11-21 for 4 days sorry vehicle already booked
rental vehicle 9 from 2021-04-16 for 1 days sorry vehicle already booked
rental vehicle 3 from 2021-03-05 for 1 days
rental vehicle 5 from 2021-04-29 for 2 days
rental vehicle 5 from 2021-03-27 for 4 days
rental vehicle 6 from 2021-07-27 for 1 days
rental vehicle 7 from 2021-05-02 for 6 days sorry vehicle already booked
rental vehicle 9 from 2021-12-27 for 6 days
rental vehicle 1 from 2021-11-22 for 3 days
rental vehicle 9 from 2021-09-04 for 5 days sorry vehicle already booked
rental vehicle 5 from 2021-04-05 for 1 days
rental vehicle 1 from 2021-07-20 for 6 days sorry vehicle already booked
rental vehicle 8 from 2021-04-25 for 3 days sorry vehicle already booked
rental vehicle 6 from 2021-08-23 for 2 days sorry vehicle already booked
rental vehicle 9 from 2021-02-13 for 6 days
rental vehicle 4 from 2021-10-22 for 7 days sorry vehicle already booked
rental vehicle 10 from 2021-01-27 for 5 days sorry vehicle already booked
rental vehicle 1 from 2021-09-04 for 2 days
rental vehicle 3 from 2021-11-09 for 6 days
rental vehicle 2 from 2021-02-25 for 3 days
rental vehicle 6 from 2021-10-13 for 1 days
rental vehicle 2 from 2021-07-02 for 5 days sorry vehicle already booked
rental vehicle 3 from 2021-09-21 for 1 days
rental vehicle 6 from 2021-11-11 for 7 days sorry vehicle already booked
rental vehicle 2 from 2021-04-13 for 2 days
rental vehicle 11 from 2021-06-13 for 2 days
rental vehicle 9 from 2021-11-14 for 7 days
rental vehicle 5 from 2021-08-30 for 7 days

rental vehicle 3 from 2021-03-24 for 7 days sorry vehicle already booked
rental vehicle 9 from 2021-11-09 for 4 days
rental vehicle 8 from 2021-07-18 for 5 days
rental vehicle 6 from 2021-06-25 for 1 days
rental vehicle 3 from 2021-01-31 for 3 days
rental vehicle 11 from 2021-12-07 for 1 days
rental vehicle 6 from 2021-05-09 for 6 days sorry vehicle already booked
rental vehicle 3 from 2021-11-23 for 1 days
rental vehicle 10 from 2021-01-18 for 4 days
rental vehicle 1 from 2021-09-01 for 1 days
rental vehicle 9 from 2021-11-03 for 2 days
rental vehicle 10 from 2021-03-31 for 3 days
rental vehicle 7 from 2021-02-06 for 7 days sorry vehicle already booked
rental vehicle 2 from 2021-07-31 for 5 days
rental vehicle 8 from 2021-09-08 for 4 days sorry vehicle already booked
rental vehicle 7 from 2021-04-06 for 7 days sorry vehicle already booked
rental vehicle 9 from 2021-03-18 for 3 days
rental vehicle 10 from 2021-09-10 for 6 days sorry vehicle already booked
rental vehicle 2 from 2021-06-17 for 6 days
rental vehicle 8 from 2021-06-17 for 3 days
rental vehicle 10 from 2021-10-20 for 5 days
rental vehicle 11 from 2021-07-02 for 7 days
rental vehicle 9 from 2021-02-27 for 2 days
rental vehicle 8 from 2021-09-23 for 3 days
rental vehicle 5 from 2021-08-13 for 1 days
rental vehicle 5 from 2021-03-28 for 3 days sorry vehicle already booked
rental vehicle 11 from 2021-04-09 for 6 days sorry vehicle already booked
rental vehicle 5 from 2021-07-09 for 3 days
rental vehicle 6 from 2021-04-20 for 1 days sorry vehicle already booked
rental vehicle 7 from 2021-09-27 for 3 days
rental vehicle 11 from 2021-12-31 for 6 days sorry vehicle already booked
rental vehicle 10 from 2021-11-21 for 6 days sorry vehicle already booked
rental vehicle 11 from 2021-03-08 for 2 days
rental vehicle 4 from 2021-08-21 for 3 days
rental vehicle 6 from 2021-12-09 for 2 days sorry vehicle already booked
rental vehicle 11 from 2021-08-02 for 1 days
rental vehicle 9 from 2021-11-25 for 3 days
rental vehicle 9 from 2021-09-06 for 4 days sorry vehicle already booked
rental vehicle 5 from 2021-04-27 for 2 days sorry vehicle already booked
rental vehicle 2 from 2021-08-16 for 3 days
rental vehicle 1 from 2021-09-12 for 7 days
rental vehicle 7 from 2021-12-31 for 6 days
rental vehicle 1 from 2021-11-20 for 6 days sorry vehicle already booked
rental vehicle 8 from 2021-04-16 for 7 days
rental vehicle 6 from 2021-05-07 for 2 days
rental vehicle 10 from 2021-11-09 for 2 days
rental vehicle 10 from 2021-10-22 for 1 days sorry vehicle already booked
rental vehicle 7 from 2021-01-16 for 2 days
rental vehicle 2 from 2021-06-04 for 7 days
rental vehicle 5 from 2021-02-05 for 6 days sorry vehicle already booked
rental vehicle 5 from 2021-12-18 for 2 days sorry vehicle already booked
rental vehicle 7 from 2021-12-22 for 3 days
rental vehicle 11 from 2021-09-20 for 2 days
rental vehicle 11 from 2021-05-04 for 7 days
rental vehicle 11 from 2021-03-19 for 2 days sorry vehicle already booked
rental vehicle 8 from 2021-05-13 for 3 days
rental vehicle 5 from 2021-12-13 for 1 days sorry vehicle already booked
rental vehicle 1 from 2021-09-14 for 2 days sorry vehicle already booked
rental vehicle 11 from 2021-04-22 for 3 days

rental vehicle 1 from 2021-10-31 for 1 days
rental vehicle 7 from 2021-06-08 for 5 days
rental vehicle 1 from 2021-10-17 for 3 days sorry vehicle already booked
rental vehicle 1 from 2021-05-22 for 3 days sorry vehicle already booked
rental vehicle 7 from 2021-04-25 for 1 days
rental vehicle 7 from 2021-06-22 for 2 days sorry vehicle already booked
rental vehicle 11 from 2021-05-14 for 3 days
rental vehicle 1 from 2021-04-27 for 1 days
rental vehicle 3 from 2021-06-23 for 7 days
rental vehicle 5 from 2021-07-02 for 2 days
rental vehicle 7 from 2021-10-04 for 6 days sorry vehicle already booked
rental vehicle 9 from 2021-06-06 for 5 days sorry vehicle already booked
rental vehicle 2 from 2021-03-18 for 6 days sorry vehicle already booked
rental vehicle 5 from 2021-12-29 for 1 days
rental vehicle 1 from 2021-04-15 for 6 days sorry vehicle already booked
rental vehicle 7 from 2021-11-23 for 2 days
rental vehicle 5 from 2021-11-12 for 1 days sorry vehicle already booked
rental vehicle 8 from 2021-08-09 for 7 days
rental vehicle 9 from 2021-07-27 for 2 days sorry vehicle already booked
rental vehicle 10 from 2021-07-05 for 6 days sorry vehicle already booked
rental vehicle 1 from 2021-12-07 for 3 days
rental vehicle 9 from 2021-07-31 for 2 days sorry vehicle already booked
rental vehicle 5 from 2021-03-18 for 2 days
rental vehicle 3 from 2021-01-15 for 7 days
rental vehicle 9 from 2021-07-17 for 2 days sorry vehicle already booked
rental vehicle 5 from 2021-12-08 for 1 days
rental vehicle 1 from 2021-07-19 for 7 days sorry vehicle already booked
rental vehicle 9 from 2021-09-02 for 2 days
rental vehicle 2 from 2021-11-22 for 3 days sorry vehicle already booked
rental vehicle 7 from 2021-10-12 for 6 days sorry vehicle already booked
rental vehicle 5 from 2021-07-12 for 3 days sorry vehicle already booked
rental vehicle 10 from 2021-11-15 for 6 days
rental vehicle 2 from 2021-03-22 for 1 days sorry vehicle already booked
rental vehicle 2 from 2021-03-06 for 7 days
rental vehicle 6 from 2021-11-30 for 4 days sorry vehicle already booked
rental vehicle 5 from 2021-07-20 for 3 days sorry vehicle already booked
rental vehicle 10 from 2021-10-09 for 7 days
rental vehicle 5 from 2021-10-20 for 7 days
rental vehicle 5 from 2021-01-25 for 7 days sorry vehicle already booked
rental vehicle 5 from 2021-11-02 for 4 days
rental vehicle 10 from 2021-09-09 for 2 days sorry vehicle already booked
rental vehicle 2 from 2021-05-27 for 1 days
rental vehicle 7 from 2021-11-10 for 5 days sorry vehicle already booked
rental vehicle 11 from 2021-05-27 for 6 days
rental vehicle 5 from 2021-03-03 for 3 days sorry vehicle already booked
rental vehicle 7 from 2021-09-04 for 2 days
rental vehicle 3 from 2021-08-15 for 6 days sorry vehicle already booked
rental vehicle 8 from 2021-10-07 for 4 days
rental vehicle 8 from 2021-03-06 for 4 days sorry vehicle already booked
rental vehicle 11 from 2021-08-26 for 3 days
rental vehicle 6 from 2021-12-04 for 2 days sorry vehicle already booked
rental vehicle 9 from 2021-06-27 for 3 days
rental vehicle 9 from 2021-03-25 for 3 days
rental vehicle 5 from 2021-01-02 for 2 days
rental vehicle 4 from 2021-11-05 for 5 days
rental vehicle 8 from 2021-11-26 for 4 days
rental vehicle 6 from 2021-08-06 for 6 days
rental vehicle 7 from 2021-01-19 for 5 days
rental vehicle 9 from 2021-07-02 for 6 days

rental vehicle 9 from 2021-07-16 for 7 days sorry vehicle already booked
rental vehicle 2 from 2021-07-03 for 3 days sorry vehicle already booked
rental vehicle 8 from 2021-10-21 for 6 days sorry vehicle already booked
rental vehicle 1 from 2021-06-26 for 6 days
rental vehicle 3 from 2021-09-24 for 4 days
rental vehicle 6 from 2021-02-16 for 1 days
rental vehicle 5 from 2021-08-04 for 6 days
rental vehicle 1 from 2021-08-25 for 3 days
rental vehicle 11 from 2021-02-20 for 4 days
rental vehicle 4 from 2021-05-09 for 2 days sorry vehicle already booked
rental vehicle 4 from 2021-11-19 for 7 days sorry vehicle already booked
rental vehicle 10 from 2021-10-18 for 2 days sorry vehicle already booked
rental vehicle 10 from 2021-06-10 for 7 days
rental vehicle 11 from 2021-01-03 for 4 days sorry vehicle already booked
rental vehicle 9 from 2021-08-08 for 7 days
rental vehicle 1 from 2021-01-17 for 6 days
rental vehicle 3 from 2021-04-25 for 7 days sorry vehicle already booked
rental vehicle 8 from 2021-10-27 for 4 days
rental vehicle 1 from 2021-12-10 for 1 days sorry vehicle already booked
rental vehicle 1 from 2021-01-03 for 5 days sorry vehicle already booked
rental vehicle 1 from 2021-02-07 for 1 days
rental vehicle 1 from 2021-05-09 for 2 days
rental vehicle 7 from 2021-01-26 for 1 days
rental vehicle 6 from 2021-04-08 for 3 days sorry vehicle already booked
rental vehicle 11 from 2021-10-21 for 7 days
rental vehicle 9 from 2021-10-26 for 4 days
rental vehicle 1 from 2021-09-19 for 6 days sorry vehicle already booked
rental vehicle 11 from 2021-03-10 for 2 days sorry vehicle already booked
rental vehicle 8 from 2021-06-17 for 6 days sorry vehicle already booked
rental vehicle 9 from 2021-09-20 for 6 days sorry vehicle already booked
rental vehicle 8 from 2021-10-14 for 7 days sorry vehicle already booked
rental vehicle 10 from 2021-10-31 for 4 days sorry vehicle already booked
rental vehicle 3 from 2021-09-29 for 4 days
rental vehicle 9 from 2021-12-22 for 7 days sorry vehicle already booked
rental vehicle 5 from 2021-03-07 for 7 days sorry vehicle already booked
rental vehicle 4 from 2021-01-14 for 3 days
rental vehicle 3 from 2021-08-25 for 1 days
rental vehicle 11 from 2021-06-21 for 1 days sorry vehicle already booked
rental vehicle 9 from 2021-10-12 for 4 days
rental vehicle 7 from 2021-01-09 for 1 days
rental vehicle 5 from 2021-12-13 for 5 days sorry vehicle already booked
rental vehicle 2 from 2021-07-03 for 6 days sorry vehicle already booked
rental vehicle 5 from 2021-04-06 for 2 days sorry vehicle already booked
rental vehicle 11 from 2021-01-31 for 1 days
rental vehicle 11 from 2021-07-19 for 6 days
rental vehicle 2 from 2021-05-13 for 5 days
rental vehicle 10 from 2021-06-15 for 6 days sorry vehicle already booked
rental vehicle 9 from 2021-01-27 for 2 days
rental vehicle 4 from 2021-05-21 for 3 days sorry vehicle already booked
rental vehicle 3 from 2021-08-14 for 3 days sorry vehicle already booked
rental vehicle 6 from 2021-02-21 for 3 days
rental vehicle 6 from 2021-10-26 for 3 days sorry vehicle already booked
rental vehicle 4 from 2021-01-30 for 7 days sorry vehicle already booked
rental vehicle 5 from 2021-10-08 for 6 days sorry vehicle already booked

MENUE

A end of simulation
B set new simulation date
C new rental manually

D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: d
SCHEDULE FOR 2021-01-27
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
2021-01-26 to 2021-01-27, rental no. 302 for customer300 8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
2021-01-27 to 2021-01-29, rental no. 313 for customer311 10: Scooty2 (not street
legal) (EScooter)
2021-01-26 to 2021-01-31, rental no. 51 for customer49 11: Scooty3 (not street
legal) (EScooter)

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27
E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: e
SCHEDULE FOR 2021-01-28
1: City1 (Bike)
2: City2 (Bike)
3: City3 (Bike)
4: Trekky1 (EBike)
2021-01-28 to 2021-01-31, rental no. 187 for customer185 5: Trekky2 (EBike)
6: Trekky3 (EBike)
7: Trekky4 (EBike)
8: City4 (Bike)
9: Scooty1 (not street legal) (EScooter)
2021-01-27 to 2021-01-29, rental no. 313 for customer311 10: Scooty2 (not street
legal) (EScooter)
2021-01-26 to 2021-01-31, rental no. 51 for customer49 11: Scooty3 (not street
legal) (EScooter)

MENUE

A end of simulation
B set new simulation date
C new rental manually
D print rental of today 2021-01-27

E print rental of tomorrow 2021-01-28
F print all rentals
G print agency profit
H set agency profit percent
I add bikes
J add E-bikes
K add E-scooters
L new rental simulation
your choice: