

## Завдання 1

Реалізуйте клас «Автомобіль». Збережіть у класі: назву моделі, рік випуску, виробника, об'єм двигуна, колір машини, ціну. Реалізуйте методи класу для введення-виведення даних та інших операцій

```
class Car:
    def __init__(self, name, age, year, producer, engine, color, price):
        self.name = name
        self.age = age
        self.year = year
        self.producer = producer
        self.engine = engine
        self.color = color
        self.price = price

    def __str__(self):
        return f"Name:{self.name} age:{self.age} year:{self.year}
producer:{self.producer} engine:{self.engine} color:{self.color}
price:{self.price}"

num=13
a=input("Enter Name")
b=input("Enter age")
c=input("Enter year")
d=input("Enter producer")
e=input("Enter engine")
f=input("Enter color")
p = input("Enter price")
AndreyCar=Car(name=a,age=b,year=c,producer=d,engine=e,color=f,price=p)
print(AndreyCar)
while True:
    sdf = input("Do you want change something?(Yes or No):")
    if sdf=="No":
        print("OK")
        break
    if sdf=="Yes":
        ch=input("enter what you want
change\n1.name\n2.age\n3.year\n4.producer\n5.engine\n6.color\n7.price\n")
        if ch=="1":
            na=input("Enter new name")
            a=na
            AndreyCar = Car(name=a, age=b, year=c, producer=d,
engine=e, color=f,price=p)
            print(AndreyCar)
        if ch == "2":
            ba = input("Enter new age")
            b=ba
            AndreyCar = Car(name=a, age=b, year=c, producer=d,
engine=e, color=f,price=p)
            print(AndreyCar)
```

```

        if ch == "3":
            ca = input("Enter new year")
            c = ca
            AndreyCar = Car(name=a, age=b, year=c, producer=d,
engine=e, color=f,price=p)
            print(AndreyCar)
        if ch == "4":
            da = input("Enter new producer")
            d = da
            AndreyCar = Car(name=a, age=b, year=c, producer=d,
engine=e, color=f,price=p)
            print(AndreyCar)
        if ch == "5":
            ea = input("Enter new engine")
            e = ea
            AndreyCar = Car(name=a, age=b, year=c, producer=d,
engine=e, color=f,price=p)
            print(AndreyCar)
        if ch == "6":
            fa = input("Enter new color")
            f = fa
            AndreyCar = Car(name=a, age=b, year=c, producer=d,
engine=e, color=f,price=p)
            print(AndreyCar)
        if ch == "7":
            pa = input("Enter new price")
            p = pa
            AndreyCar = Car(name=a, age=b, year=c, producer=d,
engine=e, color=f,price=p)
            print(AndreyCar)

```

```

Enter NameBMW
Enter age10
Enter year2012
Enter producerME
Enter enginebig
Enter colorred
Enter price
Name:BMW age:10 year:2012 producer:ME engine:big color:red price:
Do you want change something?(Yes or No):Yes
enter what you want change
1.name
2.age
3.year
4.producer
5.engine
6.color
7.price
7
Enter new price1000grn
Name:BMW age:10 year:2012 producer:ME engine:big color:red price:3000grn
Do you want change something?(Yes or No):

```

## Завдання 2

Реалізуйте клас «Книга». Збережіть у класі: назву книги, рік видання, видавця, жанр, автора, ціну. Реалізуйте методи класу для введення-виведення даних та інших операцій

```
class book:
    def __init__(self,name,year,producer,genre,author,price):
        self.name = name
        self.year = year
        self.producer = producer
        self.genre = genre
        self.author = author
        self.price = price

    def __str__(self):
        return f"Name:{self.name} year:{self.year}
producer:{self.producer} genre:{self.genre} author:{self.author}
price:{self.price}"
a=input("Enter Name")
c=input("Enter year")
d=input("Enter producer")
e=input("Enter genre")
f=input("Enter author")
p = input("Enter price")
AndreyBook=book(name=a,year=c,producer=d,genre=e,author=f,price=p)
print(AndreyBook)
while True:
    sdf = input("Do you want change something?(Yes or No):")
    if sdf=="No":
        print("OK")
        break
    if sdf=="Yes":
        ch=input("enter what you want
change\n1.name\n2.year\n3.producer\n4.engine\n5.color\n6.price\n")
        if ch=="1":
            na=input("Enter new name")
            a=na
            AndreyBook =
book(name=a,year=c,producer=d,genre=e,author=f,price=p)
            print(AndreyBook)
        if ch == "2":
            ca = input("Enter new year")
            c = ca
            AndreyBook
=book(name=a,year=c,producer=d,genre=e,author=f,price=p)
            print(AndreyBook)
        if ch == "3":
            da = input("Enter new producer")
            d = da
            AndreyBook =
```

```

book(name=a,year=c,producer=d,genre=e,author=f,price=p)
    print(AndreyBook)
    if ch == "4":
        ea = input("Enter new genre")
        e = ea
        AndreyBook =
book(name=a,year=c,producer=d,genre=e,author=f,price=p)
    print(AndreyBook)
    if ch == "5":
        fa = input("Enter new author")
        f = fa
        AndreyBook =
book(name=a,year=c,producer=d,genre=e,author=f,price=p)
    print(AndreyBook)
    if ch == "6":
        pa = input("Enter new price")
        p = pa
        AndreyBook =
book(name=a,year=c,producer=d,genre=e,author=f,price=p)
    print(AndreyBook)

```

```

Enter Name love and Love
Enter year 2001
Enter producer ME
Enter genre horror
Enter author I
Enter price 3grn
Name:Love and Love year:2001 producer:ME genre:horror author:I price:3grn
Do you want change something?(Yes or No):Yes
enter what you want change
1.name
2.year
3.producer
4.engine
5.color
6.price
2
Enter new year 20000001
Name:Love and Love year:20000001 producer:ME genre:horror author:I price:3grn
Do you want change something?(Yes or No):

```

### Завдання 3

Реалізуйте клас «Стадіон». Збережіть у класі: назву стадіону, дату відкриття, країну, місто, місткість. Реалізуйте методи класу для введення-виведення даних та інших операцій.

```

class Stadium:
    def __init__(self,name,year,country,city,much):
        self.name = name
        self.year = year
        self.country = country
        self.city = city
        self.much = much
    def __str__(self):
        return f"Name:{self.name} ,year:{self.year}

```

```

, Country:{self.country} , City:{self.city} capacity:{self.much}"
a=input("Enter Name")
c=input("Enter year")
d=input("Enter Country")
e=input("Enter City")
f=input("Enter capacity")
Andreysport=Stadium(name=a,year=c,country=d,city=e,much=f)
print(Andreysport)
while True:
    sdf = input("Do you want change something?(Yes or No):")
    if sdf=="No":
        print("OK")
        break
    if sdf=="Yes":
        ch=input("enter what you want
change\n1.name\n2.year\n3.country\n4.city\n5.capacity\n")
        if ch=="1":
            na=input("Enter new name")
            a=na
            Andreysport=Stadium(name=a,year=c,country=d,city=e,much=f)
            print(Andreysport)
        if ch == "2":
            ca = input("Enter new year")
            c = ca
            Andreysport=Stadium(name=a,year=c,country=d,city=e,much=f)
            print(Andreysport)
        if ch == "3":
            da = input("Enter new country")
            d = da
            Andreysport=Stadium(name=a,year=c,country=d,city=e,much=f)
            print(Andreysport)
        if ch == "4":
            ea = input("Enter new city")
            e = ea
            Andreysport = Stadium(name=a, year=c, country=d, city=e,
much=f)
            print(Andreysport)
        if ch == "5":
            fa = input("Enter new capacity")
            f = fa
            Andreysport=Stadium(name=a,year=c,country=d,city=e,much=f)
            print(Andreysport)

```

```
C:\Users\Sergs\Pycharm\Projects\python\Project\venv\Scripts\python.exe C:\Users\Sergs\Py
Enter NameBravo
Enter year2000
Enter CountryUkraine
Enter CityKyiv
Enter capacity3000
Name:Bravo ,year:2000 ,Country:Ukraine ,City:Kyiv capacity:3000
Do you want change something?(Yes or No):Yes
enter what you want change
1.name
2.year
3.country
4.city
5.capacity
4
Enter new cityLviv
Name:Bravo ,year:2000 ,Country:Ukraine ,City:Lviv capacity:3000
Do you want change something?(Yes or No):Yes
enter what you want change
1.name
2.year
3.country
4.city
5.capacity
5
Enter new capacity1500
Name:Bravo ,year:2000 ,Country:Ukraine ,City:Lviv capacity:1500
Do you want change something?(Yes or No):|
```