



LAB NO:#03

Qalandar Bux



2\20\2023

Task 1

```
package lab4; class  
Employ {
```

```

String EmployId,EmployName,EmployCompany;
Employ(){
System.out.println("Employee Details");
}
Employ(String EmployName){ this.EmployName=EmployName;
System.out.println("Employee Name is :"+EmployName);
}
Employ(String Company,String EmployId){
this.EmployCompany=Company; this.EmployId=EmployId;
System.out.println("Employee Company is :"+EmployCompany+"\n"+"employee Id is
:"+EmployId);
} }
public class Employe1{
public static void main(String []args){ Employ
obj1=new Employ();
Employ obj2=new Employ("qalandar bux");
Employ obj3=new Employ("Microsoft","4567");
}
                                output
}

```

```

Employee Details
Employee Name is :qalandar bux
Employee Company is :Microsoft
employee Id is :4567

```

Task 2

```

package lab4;
class Datatypes{
int a,b,c; char
f,x,t,r; float
d; String s=" ";
boolean flage;

```

```

Datatypes(int a,int b,int c,char f,char x,char t,char r,float d,boolean
flage){ this.a=a; this.b=b; this.c=c; this.f=f; this.x=x; this.t=t;
this.d=d; this.flage=flage; this.r=r; } public String toString() {
return "("+f+a+b+b+c+s+x+c+r+b+t+s+d+s+flage+")";
} } public class
Primitives {
public static void main(String[]args) {
Datatypes ob=new Datatypes(3,1,0,'H','w','d','r',2.0f,true);
System.out.println("All primitives");
System.out.print(ob.toString());
}
}

```

Output

```

All primitives
(H3110 w0r1d 2.0 true)

```

Task 3

```

package lab4; class
Car{
String brandName,color;
double odometer; double
priceNew,usedPrice; double
getPriceAfterUse(){
this.usedPrice=priceNew * (1 - odometer/60000); return
usedPrice;
}
double updateMileage(double trDistance){
this.odometer=odometer+trDistance; return
odometer;
}
public String outDetails() {
return "brandName "+brandName+"\n"+"colorname "+color+"\n"+"odometer
"+odometer+"\n"+"priceNew "+priceNew;
}
}

```

```

} }

public class MyCar {
public static void main(String []args) {
Car obj=new Car();
obj.brandName="Honda";
obj.color="White"; obj.odometer=789;
obj.priceNew=500000;
System.out.println("getPriceAfterUse "+obj.getPriceAfterUse());
System.out.println("updateMileage "+obj.updateMileage(300));
System.out.print(obj.outDetails());
}
}

```

output

```

getPriceAfterUse 493425.0
updateMileage 1089.0
brandName      Honda
colorname      White
odometer       1089.0
priceNew       500000.0

```

Task 4

```

class Flighte{
String source ,Destination;
int seats; int flNumber;
Flighte( int seats,int flightNumber, String source,String Destination)
{ this.seats=seats; this.flNumber=flightNumber;
this.source=shortandCapital(source);
this.Destination=shortandCapital(Destination);
} private String shortandCapital(String name)
{ if(name.length()<=3) { return
name.toUpperCase();
} else { return
name.substring(0,3).toUpperCase();
}
}
Flighte(int seats,int flightNumber){
this.seats=seats;
this.flNumber=flightNumber;
this.source=""; this.Destination="";
}
Flighte(int flightNumber){ int
seats=0;
this.flNumber=flightNumber;
this.source="";
this.Destination="";
}
}

```

```

} int getseats()
{ return seats;
}
int getflightNumber() { return
flNumber;
}
String getsource() { return
source;
}
String getdestination() { return
Destination;
} void setseats()
{
this.seats=seats;
} public void setsource()
{ this.source= source;
}

```


Continue Task 4

```

public void setdestination() { this.Destination=Destination;
} public void reserve (int numberOfSeats)
{ if (seats>numberOfSeats) {
this.seats=seats-numberOfSeats;} else {
System.out.print("no seats available");
} } public void cancel(int
numberOfSeats) {
this.seats=seats+numberOfSeats;
} public String toString() { return "FlightNo:"+flNumber+"\n"+"From:
"+source+"\n"+"To: "+Destination;
} } public class
Flight {
public static void main(String[]args) { Flighte
obj=new Flighte(23,56,"Karachi","Lahore");
obj.reserve(10); obj.cancel(6);
System.out.print(obj.toString());
}
}

```

Output



```

FlightNo:56
From: KAR
To: LAH

```

Task 5

```
class Date{ int
Day,month,year;
Date(int Day,int month,int year){
this.Day=Day;
this.month=month;
this.year=year;
    }
int getday() {
return Day; }
int getmonth() {
return month;
} int getyear()
{ return year;
}
void setday(int Day) { this.Day=Day;
}
void setmonth(int month) {
this.month=month;
}
void setyear(int year) { this.year=year;
}
public String DisplayDate() { return
Day+"\\\\"+month+"\\\\"+year;
} }
public class App {
public static void main(String[]args) {
Date obj=new Date(21,8,2023);
System.out.print("Date is : "+obj.DisplayDate());
}
}
```

output

Date is : 21\\8\\2023