

# ADBMS LAB

## CO2- Programs

### PL/SQL

**Q1: Write a PL/SQL program to find the sum of 2 numbers.**

```
declare
a number;
b number;
c number;
begin
a:=&a;
b:=&b;
c:=a+b;
dbms_output.put_line('sum :'| |c);
end;
/
```

### **OUTPUT**

```
#####
Enter value for a: 10
old 6: a:=&a;
new 6: a:= 10;
Enter value for b: 20
old 7: b:=&b;
new 7: b:=20;
sum :30
PL/SQL procedure successfully completed.
```

**Q2: Write a PL/SQL program to find the factorial of a given number**

```
declare
n number;
fact number:=1;
begin
n:=&n;
for i in 1..n
loop
fact:=fact*i;
end loop;
dbms_output.put_line('Factorial :'| |fact);
end;
/
```

## OUTPUT

#####

Enter value for n: 5

old 5: n:=&n;

new 5: n:=5;

Factorial :120

PL/SQL procedure successfully completed.

### Q3: Write a PL/SQL program to check whether the given no is prime or not

declare

n number;

i number:=2;

flag number:=1;

begin

n:=&n;

for i in 2..n/2

loop

if mod(n,i)=0

then

flag:=0;

exit;

end if;

end loop;

if flag=1

then

dbms\_output.put\_line('prime');

else

dbms\_output.put\_line('not prime');

end if;

end;

/

## OUTPUT

#####

Enter value for n: 7

old 6: n:=&n;

new 6: n:=7;

prime

Enter value for n: 4

old 6: n:=&n;

new 6: n:=4;

not prime

PL/SQL procedure successfully completed.

## Functions

## **1. Write a PL/SQL program to find the sum of 2 numbers using functions**

```
2 c number;  
3 begin  
4 c:=a+b;  
5 return c;  
6 end;  
7 /
```

Function created.

SQL> declare

```
2 result number;  
3 begin  
4 result:=add_fun(30,40);  
5 dbms_output.put_line('Result is: ' || result);  
6 end;  
7 /
```

Result is: 70

PL/SQL procedure successfully completed.

## **2. Write a PL/SQL program to Check whether a number is Armstrong or not using functions**

```
2 r number(10);  
3 a number(10);  
4 b number(10);  
5 c number(10);  
6 begin  
7 b:=0;  
8 c:=n;  
9 while(c>0)  
10 loop
```

```
11 r:=c mod 10;
12 b:=b+(r*r*r);
13 c:=floor(c/10);
14 end loop;
15 return b;
16 end armstrong;
17 /
```

Function created.

SQL> declare

```
2 n number(10);
3 m number(10);
4 begin
5 n:=&n;
6 m:=armstrong(n);
7 if(m=n) then
8 dbms_output.put_line('Given no is armstrong number');
9 else
10 dbms_output.put_line('Given no is not an armstrong number');
11 end if;
12 end;
13 /
```

Enter value for n: 153

old 5: n:=&n;

new 5: n:=153;

Given no is armstrong number

PL/SQL procedure successfully completed.

- 3. Create table that contains itemid,item\_name & price of several items sold in a grocery shop, Using functions retrieve the item name & price from table when itemid is given as input.**

**SQL> create table item(item\_id integer primary key,itemname varchar(20),price float);**

Table created.

**SQL> insert into item values(&item\_id,&itemname,&price);**

Enter value for item\_id: 2334

Enter value for itemname: Geera

Enter value for price: 206.25

old 1: insert into item values(&item\_id,&itemname,&price)

new 1: insert into item values(2334,'Geera',206.25)

1 row created.

**SQL> insert into item values(&item\_id,&itemname,&price);**

Enter value for item\_id: 2532

Enter value for itemname: Corn soup

Enter value for price: 34.65

old 1: insert into item values(&item\_id,&itemname,&price)

new 1: insert into item values(2532,'Corn soup',34.65)

1 row created.

**SQL> insert into item values(&item\_id,&itemname,&price);**

Enter value for item\_id: 2124

Enter value for itemname: Lays

Enter value for price: 20

old 1: insert into item values(&item\_id,&itemname,&price)

new 1: insert into item values(2124,'Lays',20)

1 row created.

**SQL> insert into item values(&item\_id,&itemname,&price);**

Enter value for item\_id: 4531

Enter value for itemname: Set

Enter value for price: 99.99

old 1: insert into item values(&item\_id,&itemname,&price)

new 1: insert into item values(4531,'Set',99.99)

1 row created.

**SQL> insert into item values(&item\_id,&itemname,&price);**

Enter value for item\_id: 2319

Enter value for itemname: Duracell

Enter value for price: 45.5

old 1: insert into item values(&item\_id,&itemname,&price)

new 1: insert into item values(2319,'Duracell',45.5)

1 row created.

**SQL> select \* from item;**

ITEM_ID	ITEMNAME	PRICE
-----	-----	-----
2334	Geera	206.25
2532	Corn soup	34.65
2124	Lays	20
4531	Set	99.99
2319	Duracell	45.5

SQL> create or replace function itemprice(id number) return number is

2 p item.price % type;

```
3 begin
4 select price into p from item where item_id=id;
5 return(p);
6 end;
7 /
```

Function created.

SQL> declare

```
2 pr number;
3 id number;
4 begin
5 id:=&itemid;
6 pr:=itemprice(id);
7 dbms_output.put_line('item price is RS:' || pr);
8 end;
9 /
```

Enter value for itemid: 2124

old 5: id:=&itemid;

new 5: id:=2124;

item price is RS:20

PL/SQL procedure successfully completed.

**4. Write a PL/SQL function called POW that takes two numbers as argument and return the value of the first number raised to the power of the second .**

SQL> create or replace function pow (n1 number,n2 number) return number as

```
2 res number;
3 begin
4 select power (n1,n2) into res from dual;
5 return res;
6 end;
7 /
```

Function created.

```
SQL> select power (2,4) from dual;
```

```
POWER(2,4)
```

```
-----
```

```
16
```

```
SQL> declare
```

```
2 a number;
```

```
3 b number;
```

```
4 begin
```

```
5 a:=&a;
```

```
6 b:=&b;
```

```
7 dbms_output.put_line('power(n1,n2)= ' || pow(a,b));
```

```
8 end;
```

```
9 /
```

Enter value for a: 2

```
old 5: a:=&a;
```

```
new 5: a:=2;
```

Enter value for b: 4

```
old 6: b:=&b;
```

```
new 6: b:=4;
```

```
power(n1,n2)=16
```

PL/SQL procedure successfully completed.

## **PROCEDURE**

**Q4: PROCEDURE – Selected record's price is incremented by 100, executing the procedure created & displaying the updated table.**

## **Price updated**

```
SQL> create table product (product_id integer,product_name varchar(20),price number);
```

Table created.

```
SQL> insert into product values(&product_id,&product_name',&price);
```

Enter value for product\_id: 101

Enter value for product\_name: Soap

Enter value for price: 25

```
old 1: insert into product values(&product_id,&product_name',&price)
```



new 1: insert into product values(101,'Soap',25)

1 row created.

**SQL> insert into product values(&product\_id,&product\_name,&price);**

Enter value for product\_id: 102

Enter value for product\_name: Sweets

Enter value for price: 200

old 1: insert into product values(&product\_id,&product\_name,&price)

new 1: insert into product values(102,'Sweets',200)

1 row created.

**SQL> insert into product values(&product\_id,&product\_name,&price);**

Enter value for product\_id: 103

Enter value for product\_name: Paste

Enter value for price: 35

old 1: insert into product values(&product\_id,&product\_name,&price)

new 1: insert into product values(103,'Paste',35)

1 row created.

**SQL> insert into product values(&product\_id,&product\_name,&price);**

Enter value for product\_id: 104

Enter value for product\_name: Pen

Enter value for price: 5

old 1: insert into product values(&product\_id,&product\_name,&price)

new 1: insert into product values(104,'Pen',5)

1 row created.

**SQL> select \* from product;**

PRODUCT_ID	PRODUCT_NAME	PRICE
-----	-----	-----
101	Soap	25
102	Sweets	200
103	Paste	35
104	Pen	5

SQL> create or replace procedure product1(id number,total number) is

```

2 p number;
3 null_price exception;
4 begin
5 select price into p from product where product_id=id;
6 if p is null then
7 raise null_price;
8 else
9 update product set price=price+total where product_id=id;
10 end if;
11 exception
12 when null_price then
13 dbms_output.put_line('Price is null');
14 end;
15 /

```

Procedure created.

SQL> exec product1(102,100)

PL/SQL procedure successfully completed.

SQL> select \* from product;

PRODUCT_ID	PRODUCT_NAME	PRICE
101	Soap	25
102	Sweets	300
103	Paste	35
104	Pen	5

**Q5: Write a PL/SQL program to Perform Banking Operations Using Procedures**

create table acc(acno integer primary key,name varchar(20),balance float);

Table created.

SQL> insert into acc values(1,'Amitha',10000);

1 row created.

SQL> insert into acc values(2,'babithaa',25000);

1 row created.

SQL> insert into acc values(3,'nimmy',7000);

1 row created.

SQL> insert into acc values(4,'arun',15000);

1 row created.

SQL> insert into acc values(5,'krishana',35000);

1 row created.

SQL> select \*from acc;

ACNO	NAME	BALANCE
------	------	---------

1	Amitha	10000
2	babithaa	25000
3	nimmy	7000
4	arun	15000
5	krishana	35000

create or replace procedure withdraw(ac\_no1 in number,amount1 in number) is

```

2 begin
3 update acc set balance=balance-amount1 where acno=ac_no1;
4 end;
5 /

```

Procedure created.

SQL> create or replace procedure deposit(ac\_no1 in number,amount1 in number) is

```

2 begin
3 update acc set balance=balance+amount1 where acno=ac_no1;
4 end;
5 /

```

Procedure created.

declare

choice number;

ac\_no1 number(5);

amount number(5);

begin

ac\_no1:=&ac\_no1;

choice:=&choice;

amount:=&amount;

dbms\_output.put\_line('1.withdraw');

dbms\_output.put\_line('2.deposit');

if choice=1 then

withdraw(ac\_no1,amount);

else

deposit(ac\_no1,amount);

end if;

end;

/

Enter value for accno1: 1

old 6: accno1:=&accno1;

new 6: accno1:=1;

Enter value for choice: 1

```
old 7: choice:=&choice;
```

```
new 7: choice:=1;
```

Enter value for amount: 1000

```
old 8: amount:=&amount;
```

```
new 8: amount:=1000;
```

PL/SQL procedure successfully completed.

```
SQL> select * from acc;
```

	ACNO NAME	BALANCE
	-----	-----
1	Amitha	9000
2	babithaa	24000
3	nimmy	6000
4	arun	14000

```
SQL> declare
```

```
2 choice number;
```

```
3 accno1 number(5);
```

```
4 amount number(5);
```

```
5 begin
```

```
6 accno1:=&accno1;
```

```
7 choice:=&choice;
```

```
8 amount:=&amount;
```

```
9 if choice=1 then
```

```
10 deposit(accno1,amount);
```

```
11 else
```

```
12 withdraw(accno1,amount);
```

```
13 end if;
```

```
14 end;
```

```
15 /
```

Enter value for accno1: 1

```
old 6: accno1:=&accno1;
```

```
new 6: accno1:=1;
```

```
Enter value for choice: 1
```

```
old 7: choice:=&choice;
```

```
new 7: choice:=1;
```

```
Enter value for amount: 500
```

```
old 8: amount:=&amount;
```

```
new 8: amount:=500;
```

PL/SQL procedure successfully completed.

```
select * from acc;
```

ACNO NAME		BALANCE
-----		-----
1	Amitha	8500
2	babithaa	23500
3	nimmy	5500
4	arun	13500

- **Trigger**

1. **Create a Simple Trigger that does not allow Insert Update and Delete Operations on the Table**

```
SQL> connect system/12345678
```

```
Connected.
```

```
SQL> select * from item;
```

ITEM_ID	ITEMNAME	PRICE
-----		
2334	Geera	206.25
2532	Corn soup	34.65
2124	Lays	20
4531	Set	99.99
2319	Duracell	45.5

```
SQL> create trigger tr1
```

```
2 BEFORE INSERT OR UPDATE OR DELETE ON item FOR EACH  
ROW
```

```
3 begin
```

```
4 raise_application_error(-20010,'you are not permitted to do this  
operation');
```

```
5 end;
```

```
6 /
```

Trigger created.

```
SQL> insert into item values(5555,'Sweets',100);
```

```
insert into item values(5555,'Sweets',100)
```

ERROR at line 1:

ORA-20010: you are not permitted to do this operation

ORA-06512: at "SYSTEM.TR1", line 2

ORA-04088: error during execution of trigger 'SYSTEM.TR1'

**2. Create a trigger that displays a message after update, Delete, Insert operations on a table.**

```
SQL> connect system/12345678
```

Connected.

```
SQL> desc emp1;
```

Name	Null?	Type
------	-------	------

-----

ID	NUMBER(38)
NAME	VARCHAR2(20)
SALARY	NUMBER(38)

**SQL> select \* from emp1;**

-----

ID	NAME	SALARY
1	maneesha	25000
2	anu	30000
3	aravind	27000
4	manu	20000

SQL> create or replace trigger trg  
2 after update or insert or delete on emp1  
3 for each row  
4 begin  
5 if updating then  
6 dbms\_output.put\_line('updated');  
7 elsif inserting then  
8 dbms\_output.put\_line('insertion done');  
9 elsif deleting then  
10 dbms\_output.put\_line('deleted');  
11 end if;  
12 end;



13 /

Trigger created.

**SQL> insert into emp1 values(5,'Babu',29000);**

insertion done

1 row created.

**SQL> select \* from emp1;**

ID	NAME	SALARY
1	maneesha	25000
2	anu	30000
3	aravind	27000
4	manu	20000
5	Babu	29000

**SQL> delete from emp1 where id=4;**

deleted

1 row deleted.

**SQL> select \* from emp1;**

ID	NAME	SALARY
1	maneesha	25000
2	anu	30000

3 aravind                      27000

5 Babu                         29000

**SQL> update emp1 set salary=32000 where id=2;**

updated

1 row updated.

**SQL> select \* from emp1;**

ID	NAME	SALARY
1	maneesha	25000
2	anu	32000
3	aravind	27000
5	Babu	29000

**3. Create a trigger that gets invoked before insert operation on a table. The trigger should convert employee name to uppercase before its stored in the table.**

**SQL> connect system/12345678**

Connected.

**SQL> set serveroutput on;**

**SQL> create or replace trigger tr2**

2 before insert on emp1

3 for each row

4 begin

```
5 :new.name:=upper(:new.name);
```

```
6 end;
```

```
7 /
```

Trigger created.

```
SQL> select * from emp1;
```

ID	NAME	SALARY
1	Raju	25200
2	Babu	15200
3	Drshya	32200
4	John	32878
5	Kalam	48200

```
SQL> desc emp1;
```

Name	Null?	Type
ID		NUMBER(38)
NAME		VARCHAR2(20)
SALARY		NUMBER(38)

**4. Create a row-level trigger for the customers table that would fire for UPDATE operations performed on the CUSTOMERS table. This trigger should display the salary difference between the old values and new values**

```
SQL> create or replace trigger trgl
```

```
2 before update on Customers for each row
```

```
3 when(new.id > 0)
```

```

4 declare
5 sal_difference number;
6 begin
7 sal_difference:=:new.salary-:old.salary;
8 dbms_output.put_line('old salary:' || :old.salary);
9 dbms_output.put_line('new salary:' || :new.salary);
10 dbms_output.put_line('salary difference:' || sal_difference);
11 end;
12 /

```

Trigger created.

SQL> select \* from customers;

ID	NAME	AGE	ADDRESS	SALARY
1	Dilsha	32	AHMEDABAD	2000
2	Harsha	25	DELHI	1500
3	Anagha	32	MAYSOOR	2000
4	Babu	23	KOTA	2000
5	Zhan	25	MUMBAI	6500
6	Hardik	27	BHOPAL	8500
7	Raju	22	MP	4500
8	Ammu	24	INDORE	1000

8 rows selected.

SQL> update Customers set salary=6000 where id=7;

1 row updated.

SQL> select \* from Customers;

ID	NAME	AGE	ADDRESS	SALARY
1	Dilsha	32	AHMEDABAD	2000
2	Harsha	25	DELHI	1500
3	Anagha	32	MAYSOOR	2000
4	Babu	23	KOTA	2000
5	Zhan	25	MUMBAI	6500
6	Hardik	27	BHOPAL	8500
7	Raju	22	MP	6000
8	Ammu	24	INDORE	1000

## Cursors

### 1. Calculate Interest for Fixed Deposit Amount Using Cursors

```
sql> create table amount(accno int,years int,amount int,interest int);
```

table created.

```
sql> insert into amount values(101,2,1000,100);
```

1 row created.

```
sql> insert into amount values(102,4,2000,200);
```

1 row created.

```
sql> insert into amount values(103,3,3000,300);
```

1 row created.

```
sql> insert into amount values(104,4,4000,400);
```

1 row created.

```
sql> insert into amount values(105,5,5000,500);
```

1 row created.

```
sql> select * from amount;
```

ACCNO	YEARS	AMOUNT	INTEREST
101	2	1000	100
102	4	2000	200
103	3	3000	300
104	4	4000	400
105	5	5000	500

```
sql> update amount set interest=0 where years<=4;
```

4 rows updated.

```
sql> select * from amount;
```

ACCNO	YEARS	AMOUNT	INTEREST
101	2	1000	0
102	4	2000	0
103	3	3000	0
104	4	4000	0

105	5	5000	500
-----	---	------	-----

sql> declare

2 cursor amount is select \* from amount;

3 begin

4 for i in amount

5 loop

6 if i.amount<=1000 then

7 update amount set interest=i.amount\*1 where accno=i.accno;

8 elsif i.amount>1000 and i.amount<=5000 then

9 update amount set interest=i.amount\*2 where accno=i.accno;

10 else

11 update amount set interest=i.amount\*3 where accno=i.accno;

12 end if;

13 end loop;

14 end;

15 /

PL/SQL procedure successfully completed.

sql> select \* from amount;

ACCNO	YEARS	AMOUNT	INTEREST
-----	-----	-----	-----
101	2	1000	1000
102	4	2000	4000
103	3	3000	6000
104	4	4000	8000
105	5	5000	10000

## 2. Calculate Electricity Bill Using Cursors

```
sql> create table ebill(ebno int primary key,name varchar(20),units int,charges float);
```

table created.

```
sql> insert into ebill values(1,'shellha',100,99.9);
```

1 row created.

```
sql> insert into ebill values(2,'sneha',200,88.8);
```

1 row created.

```
sql> insert into ebill values(3,'babu',300,77.7);
```

1 row created.

```
sql> insert into ebill values(4,'sanju',400,66.6);
```

1 row created.

```
sql> select * from ebill;
```

ebno	name	units	charges
1	shellha	100	99.9
2	sneha	200	88.8
3	babu	300	77.7
4	sanju	400	66.6

```
sql> declare
```

```
2 cursor bill is select * from ebill;
```

```
3 begin
```

```
4 for i in bill
```

```
5 loop
```

```
6 if i.units<=100 then
```



```

7 update ebill set charges=i.units*1 where ebno=i.ebno;
8 elsif i.units>100 and i.units<=400 then
9 update ebill set charges=i.units*2 where ebno=i.ebno;
10 else
11 update ebill set charges=i.units*3 where ebno=i.ebno;
12 end if;
13 end loop;
14 end;
15 /

```

pl/sql procedure successfully completed.

### **cursor-3**

**write pl/sql code to update values in create tables by using implicit cursors.**

```
sql> set serveroutput on;
```

```
sql> desc emp1;
```

name	null?	type
-----		
id		number(38)
name		varchar2(20)
salary		number(38)

```
SQL> select * from emp1;
```

ID	NAME	SALARY
1	Raju	25000
2	Babu	15000
3	Drshya	32000
4	John	32678
5	Kalam	48000

```
SQL> declare
```

```
2 num_rows number(5);
```

```
3 begin
```

```
4 update emp1 set salary=salary+200;
```

```
5 if sql%notfound then
```

```
6 dbms_output.put_line('None of the salaries where updated');
```

```
7 else if sql%found then
```

```
8 num_rows:=sql%rowcount;
```

```
9 dbms_output.put_line('Salaries for ' || num_rows || ' employees are updated');
```

```
10 end if;
```

```
11 end if;
```

```
12 end;
```

```
13 /
```

Salaries for 5 employees are updated

PL/SQL procedure successfully completed.

SQL> select \* from emp1;

ID	NAME	SALARY
1	Raju	25200
2	Babu	15200
3	Drshya	32200
4	John	32878
5	Kalam	48200

SQL> SELECT \* FROM EBILL;

EBNO	NAME	UNITS	CHARGES
1	SHELLHA	100	100
2	SNEHA	200	400
3	BABU	300	600
4	SANJU	400	800

3. Given the table works(emp\_id,company\_name,salary).write a cursor to select the three highest paid employees from the table.

SQL> desc works;

Name	Null?	Type
------	-------	------

-----

EMP_ID	NOT NULL CHAR(8)
COMPANY_NAME	NOT NULL VARCHAR2(18)
SALARY	FLOAT(126)

**SQL> select \* from works;**

EMP_ID	COMPANY_NAME	SALARY
--------	--------------	--------

-----

E-101	SBI	71000
E-102	SBI	108900
E-103	SBT	40000
E-104	Federal	37000

SQL> declare

2 i number:=0;

3 cursor cur is select emp\_id,company\_name,salary from works order by  
salary desc;

4 r cur%rowtype;

5 begin

6 open cur;

7 loop

8 exit when i=3;

9 fetch cur into r;

10 dbms\_output.put\_line(r.emp\_id || ' ' || r.company\_name || ' ' || r.salary);

11 i:=i+1;

12 end loop;

13 close cur;

14 end;

15 /

E-102 SBI 108900

E-101 SBI 71000

E-103 SBT 40000

PL/SQL procedure successfully completed.

**SQL> select emp\_id,company\_name,salary from works order by salary desc;**

EMP_ID	COMPANY_NAME	SALARY
E-102	SBI	108900
E-101	SBI	71000
E-103	SBT	40000
E-104	Federal	37000

**5. Calculate the FinalIA (average of best two test marks) and update the corresponding table for all students.**

**SQL> DESC IAMARKS;**

Name	Null?	Type
REGNO	NOT NULL	NUMBER
SCODE		VARCHAR2(20)
TEST1		NUMBER(5)
TEST2		NUMBER(5)
TEST3		NUMBER(5)
FINAL_IAMARKS		NUMBER(5)

**SQL> set serveroutput on;**

**SQL> create table IAmarks(reg\_no int primary key,scode varchar(10),Test1 number(10),Test2 number(10),Test3 number(10),Final\_IAmarks number(10));**

Table created.

**SQL> insert into IAmarks values(101,'CLAB112',45,34,12,null);**

1 row created.

**SQL> insert into IAmarks values(104,'DBMS123',33,22,35,null);**

1 row created.

**SQL> insert into IAmarks values(345,'Pythn236',44,43,42,null);**

1 row created.

**SQL> desc IAmarks;**

Name	Null?	Type
-----		
REG_NO	NOT NULL	NUMBER(38)
SCODE		VARCHAR2(10)
TEST1		NUMBER(10)
TEST2		NUMBER(10)
TEST3		NUMBER(10)
FINAL_IAMARKS		NUMBER(10)

**SQL> select \* from IAmarks;**

REG_NO	SCODE	TEST1	TEST2	TEST3	FINAL_IAMARKS
-----					
101	CLAB112	45	34	12	
104	DBMS123	33	22	35	
345	Pythn236	44	43	42	

**SQL> create or replace procedure avgmarks is**

```
2 cursor curs is
3     select  greatest(Test1,Test2)  as  A,greatest(Test1,Test3)  as
B,greatest(Test3,Test2) as C
4 from IAmarks where Final_IAmarks is null for update;
5 C_A number;
6 C_B number;
7 C_C number;
8 C_SM number;
9 C_AV number;
10 begin
11 open curs;
12 loop
13 fetch curs into C_A, C_B, C_C;
14 exit when curs%notfound;
15 dbms_output.put_line(C_A || ' ' || C_B || ' ' || C_C);
16 if (C_A != C_B) then
17 C_SM:=C_A+C_B;
18 else
19 C_SM:=C_A+C_C;
20 end if;
21 C_AV:=C_SM/2;
22 update IAmarks set Final_IAmarks=C_AV where current of curs;
23 end loop;
24 close curs;
25 end;
```

26 /

Procedure created.

SQL> exec avgmarks;

45 45 34

33 35 35

44 44 43

PL/SQL procedure successfully completed.

SQL> select \* from IAmarks;

REG_NO	SCORE	TEST1	TEST2	TEST3	FINAL_IAMARKS
101	CLAB112	45	34	12	40
104	DBMS123	33	22	35	34
345	Pythn236	44	43	42	44