

```

declare
    SI number ;
    principal number ;
    rate number ;
    time number ;
    amount number ;
    age number;
begin
    age:=&age ;
    if age>18 then
        principal:=&principal;
        rate:=&rate ;
        time:=&time;
        SI := (principal*rate*time)/100;
        dbms_output.put_line('The simple interest obtained is '|| SI);

        amount:= SI+principal;
        dbms_output.put_line('The final amount after interest is :' || amount);
    else
        dbms_output.put_line('You will not take interest');
    end if ;
exception
    when no_data_found then
        dbms_output.put_line('No record found ');
end;
/
-----
```

```

-----
```

---

```

declare
    tcd number ;
    name varchar(20);
    scity varchar(12);
    dcity varchar(12);
    faree number;
begin
    tcd:=&tcd ;
    Select pname,scity,dcity,fare into name,scity,dcity,faree from tickets
    where tid = tcd ;
        dbms_output.put_line('The name of the passenger is :'|| name || ' and want
    to go from '|| scity || ' to ' || dcity || ' and charge fare ' || faree);
end;
/
-----
```

---

```

begin
```

```
INSERT INTO tickets VALUES (7, 'Kiran', 'KA05G7', 'Blr', 'Mysore', DATE
'2026-02-23', 3, 280.50, 'BOOKED');
INSERT INTO tickets VALUES (8, 'Manoj', 'TN10H8', 'Chennai', 'Vellor', DATE
'2026-02-24', 16, 410.00, 'CANCELLED');
INSERT INTO tickets VALUES (9, 'Ritu', 'HR26J9', 'Gurug', 'Delhi', DATE
'2026-02-25', 6, 190.00, 'BOOKED');
INSERT INTO tickets VALUES (10, 'Deepak', 'PB08K0', 'Amrit', 'Jaland', DATE
'2026-02-26', 14, 360.75, 'BOOKED');
INSERT INTO tickets VALUES (11, 'Sunita', 'UP16L1', 'Noida', 'Meerut', DATE
'2026-02-27', 8, 210.00, 'CANCELLED');
INSERT INTO tickets VALUES (12, 'Vikas', 'MP04M2', 'Ujjain', 'Indore', DATE
'2026-02-28', 20, 180.00, 'BOOKED');
INSERT INTO tickets VALUES (13, 'Nisha', 'WB20N3', 'Kolk', 'Howrah', DATE
'2026-03-01', 2, 150.00, 'BOOKED');
INSERT INTO tickets VALUES (14, 'Rohit', 'BR01P4', 'Patna', 'Gaya', DATE
'2026-03-02', 17, 260.00, 'CANCELLED');
INSERT INTO tickets VALUES (15, 'Anu', 'CG07Q5', 'Raipur', 'Bilasp', DATE
'2026-03-03', 9, 230.00, 'BOOKED');
end;
/
=====
=====
```

```
SQL*Plus: Release 21.0.0.0.0 - Production on Fri Jan 23 22:27:14 2026
Version 21.3.0.0.0
```

```
Copyright (c) 1982, 2021, Oracle. All rights reserved.
```

```
Enter user-name: user1/pass1
Last Successful login time: Fri Jan 23 2026 22:05:59 +05:30
```

```
Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0
```

```
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
```

```
SQL> @@
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
Enter value for age: 18
old   8:      age:=&age ;
new   8:      age:=18 ;
Enter value for principal: 230000
old  10:          principal:=&principal;
new  10:          principal:=230000;
```

```
Enter value for rate: 23
old 11:           rate:=&rate ;
new 11:           rate:=23 ;
Enter value for time: 12
old 12:           time:=&time;
new 12:           time:=12;
end;
*
ERROR at line 20:
ORA-06550: line 20, column 4:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
if
```

```
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
```

```
SQL>
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
SP2-0023: String not found.
SQL> @@
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
Enter value for age: 17
old 9:           age:=&age ;
new 9:           age:=17 ;
Enter value for principal: 23000
old 11:           principal:=&principal;
new 11:           principal:=23000;
Enter value for rate: 12
old 12:           rate:=&rate ;
new 12:           rate:=12 ;
Enter value for time: 21
old 13:           time:=&time;
new 13:           time:=21;
```

```
PL/SQL procedure successfully completed.
```

```
SQL> set serveroutput on ;
SQL> @@
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
Enter value for age: 12
old 9:           age:=&age ;
new 9:           age:=12 ;
Enter value for principal: 214324
old 11:           principal:=&principal;
new 11:           principal:=214324;
```

```
Enter value for rate: 12
old 12:           rate:=&rate ;
new 12:           rate:=12 ;
Enter value for time: 21
old 13:           time:=&time;
new 13:           time:=21;
You will not take interest
```

PL/SQL procedure successfully completed.

```
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
```

```
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDUR3.sql
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SQL> edit
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```

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SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
```

```
SQL>
SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
```

```
Enter value for age: 12
old 9:           age:=&age ;
new 9:           age:=12 ;
Enter value for principal: 424234
old 11:           principal:=&principal;
new 11:           principal:=424234;
Enter value for rate: 21
old 12:           rate:=&rate ;
new 12:           rate:=21 ;
Enter value for time: 12
old 13:           time:=&time;
new 13:           time:=12;
You will not take interest
```

PL/SQL procedure successfully completed.

```
SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE2.sql
Enter value for age: 19
old  9:      age:=&age ;
new  9:      age:=19 ;
Enter value for principal: 213432432432
old 11:          principal:=&principal;
new 11:          principal:=213432432432;
Enter value for rate: 21
old 12:          rate:=&rate ;
new 12:          rate:=21 ;
Enter value for time: 12
old 13:          time:=&time;
new 13:          time:=12;
The simple interest obtained is 537849729728.64
The final amount after interest is :751282162160.64
```

PL/SQL procedure successfully completed.

```
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\PROCEDURE3.sql
```

```
SQL> CREATE TABLE bus_tickets (
 2     ticket_id NUMBER PRIMARY KEY,
 3     passenger_name VARCHAR2(50),
 4     bus_number VARCHAR2(15),
 5     source_city VARCHAR2(30),
 6     destination_city VARCHAR2(30),
 7     journey_date DATE,
 8     seat_number NUMBER(2),
 9     fare NUMBER(6,2),
10     booking_status VARCHAR2(15)
11 );
```

Table created.

```
SQL> alter table bus_tickets rename to tickets;
```

Table altered.

```
SQL> alter table bus rename column ticket_id to tid ;
alter table bus rename column ticket_id to tid
*
ERROR at line 1:
ORA-00942: table or view does not exist
```

```
SQL> alter table tickets rename column ticket_id to tid ;
```

Table altered.

```
SQL> alter table tickets rename column passenger_name to pname ;
```

Table altered.

```
SQL> alter table tickets rename column source_city to scity ;
```

Table altered.

```
SQL> alter table tickets destination_city to dcity ;
alter table tickets destination_city to dcity
*
```

ERROR at line 1:

```
ORA-01735: invalid ALTER TABLE option
```

```
SQL> alter table tickets rename destination_city to dcity ;
alter table tickets rename destination_city to dcity
*
```

ERROR at line 1:

```
ORA-14155: missing PARTITION, PARTITIONS, SUBPARTITION, or SUBPARTITIONS
keyword
```

```
SQL> alter table tickets rename column destination_city to dcity ;
```

Table altered.

```
SQL> desc tickets ;
```

Name	Null?	Type
TID	NOT NULL	NUMBER
PNAME		VARCHAR2(50)
BUS_NUMBER		VARCHAR2(15)
SCITY		VARCHAR2(30)
DCITY		VARCHAR2(30)
JOURNEY_DATE		DATE
SEAT_NUMBER		NUMBER(2)
FARE		NUMBER(6,2)
BOOKING_STATUS		VARCHAR2(15)

```
SQL> alter table tickets rename journeey_date to jdate ;
```

```
alter table tickets rename journeey_date to jdate
*
```

ERROR at line 1:

```
ORA-14155: missing PARTITION, PARTITIONS, SUBPARTITION, or SUBPARTITIONS
keyword
```

```
SQL> alter table tickets rename journey_date to jdate ;
alter table tickets rename journey_date to jdate
*
ERROR at line 1:
ORA-14155: missing PARTITION, PARTITIONS, SUBPARTITION, or SUBPARTITIONS
keyword

SQL> alter table tickets rename column journey_date to jdate ;

Table altered.

SQL> alter table tickets rename column seat_number to snumber ;

Table altered.

SQL> alter table tickets rename column booking_status to bstatus ;

Table altered.

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\records.sql

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\records.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\records.sql
    INSERT INTO bus_tickets VALUES(1, 'Amit Sharma', 'MP09AB1234', 'Bhopal',
'Indore', DATE '2026-02-10', 12, 450, 'BOOKED');
    *
ERROR at line 2:
ORA-06550: line 2, column 14:
PL/SQL: ORA-00942: table or view does not exist
ORA-06550: line 2, column 2:
PL/SQL: SQL Statement ignored
ORA-06550: line 4, column 14:
PL/SQL: ORA-00942: table or view does not exist
ORA-06550: line 4, column 2:
PL/SQL: SQL Statement ignored
ORA-06550: line 6, column 14:
PL/SQL: ORA-00942: table or view does not exist
ORA-06550: line 6, column 2:
PL/SQL: SQL Statement ignored
ORA-06550: line 8, column 14:
PL/SQL: ORA-00942: table or view does not exist
```

```
ORA-06550: line 8, column 2:  
PL/SQL: SQL Statement ignored  
ORA-06550: line 10, column 14:  
PL/SQL: ORA-00942: table or view does not exist  
ORA-06550: line 10, column 2:  
PL/SQL: SQL Statement ignored
```

```
SQL> edit  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\records.sql
```

```
SQL> @  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\records.sql
```

```
PL/SQL procedure successfully completed.
```

```
SQL> set serveroutput on ;  
SQL> select * from ticekts ;  
select * from ticekts  
*  
ERROR at line 1:  
ORA-00942: table or view does not exist
```

```
SQL> select * from tickets ;
```

TID	PNAME	SCITY	DCITY	BUS_NUMBER	JDATE
SNUMBER	FARE	BSTATUS			
1	Amit Sharma			MP09AB1234	
Bhopal		Indore		10-FEB-26	
12	450	BOOKED			
2	Neha Verma			DL05XY6789	
Delhi		Agra		12-FEB-26	
7	300	CANCELLED			

TID	PNAME	SCITY	DCITY	BUS_NUMBER	JDATE
SNUMBER	FARE	BSTATUS			
3	Rahul Singh			MH12PQ4567	

Pune	Mumbai	15-FEB-26
18	550 BOOKED	
4 Pooja Patel		GJ01LM7890
Ahmedabad	Surat	18-FEB-26
TID PNAME	BUS_NUMBER	
-----	-----	-----
SCITY	DCITY	JDATE
-----	-----	-----
SNUMBER	FARE BSTATUS	
-----	-----	-----
5	250 BOOKED	
5 Ankit Gupta		UP32CD2468
Lucknow	Kanpur	20-FEB-26
9	200 CANCELLED	

SQL> desc tickets ;

Name	Null?	Type
TID	NOT NULL	NUMBER
PNAME		VARCHAR2(50)
BUS_NUMBER		VARCHAR2(15)
SCITY		VARCHAR2(30)
DCITY		VARCHAR2(30)
JDATE		DATE
SNUMBER		NUMBER(2)
FARE		NUMBER(6,2)
BSTATUS		VARCHAR2(15)

SQL> drop table tickets ;

Table dropped.

SQL> CREATE TABLE tickets (tid NUMBER(4) NOT NULL, pname VARCHAR2(25), bus\_number VARCHAR2(10), scity VARCHAR2(15), dcity VARCHAR2(15), jdate DATE, snumber NUMBER(2), fare NUMBER(5,2), bstatus VARCHAR2(10), CONSTRAINT tickets\_pk PRIMARY KEY (tid));

Table created.

SQL> desc tickets ;

Name	Null?	Type
TID	NOT NULL	NUMBER(4)
PNAME		VARCHAR2(25)
BUS_NUMBER		VARCHAR2(10)
SCITY		VARCHAR2(15)

DCITY	VARCHAR2(15)
JDATE	DATE
SNUMBER	NUMBER(2)
FARE	NUMBER(5,2)
BSTATUS	VARCHAR2(10)

SQL> @  
C:\Users\Ayush\OneDrive\Desktop\DATA\_SCIENTIST\ORACLE\_AND\_MONGODB\PRACTISE\REVISION  
\records.sql

PL/SQL procedure successfully completed.

SQL> select \* from tickets ;

TID	PNAME		BUS_NUMBER	SCITY	DCITY	
JDATE	SNUMBER	FARE	BSTATUS			
10-FEB-26	12	450	BOOKED	MP09AB1234	Bhopal	Indore
12-FEB-26	7	300	CANCELLED	DL05XY6789	Delhi	Agra
15-FEB-26	18	550	BOOKED	MH12PQ4567	Pune	Mumbai

TID	PNAME		BUS_NUMBER	SCITY	DCITY	
JDATE	SNUMBER	FARE	BSTATUS			
18-FEB-26	5	250	BOOKED	GJ01LM7890	Ahmedabad	Surat
20-FEB-26	9	200	CANCELLED	UP32CD2468	Lucknow	Kanpur

SQL> select pname,jdate , fare from tickets ;

PNAME	JDATE	FARE
Amit Sharma	10-FEB-26	450
Neha Verma	12-FEB-26	300
Rahul Singh	15-FEB-26	550
Pooja Patel	18-FEB-26	250
Ankit Gupta	20-FEB-26	200

SQL> select sum(fare) from tickets ;

```
SUM(FARE)
```

```
-----  
1750
```

```
SQL> edit
```

```
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\records.sql
```

```
SQL> @
```

```
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\records.sql
```

```
begin
```

```
*
```

```
ERROR at line 1:
```

```
ORA-00001: unique constraint (USER1.TICKETS_PK) violated
```

```
ORA-06512: at line 2
```

```
SQL> edit
```

```
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\records.sql
```

```
SQL> @
```

```
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\records.sql
```

```
PL/SQL procedure successfully completed.
```

```
SQL> select * from tickets ;
```

TID	PNAME	BUS_NUMBER	SCITY	DCITY
JDATE	SNUMBER	FARE	BSTATUS	
10-FEB-26	12	450	BOOKED	
12-FEB-26	7	300	CANCELLED	
15-FEB-26	18	550	BOOKED	

TID	PNAME	BUS_NUMBER	SCITY	DCITY
JDATE	SNUMBER	FARE	BSTATUS	
4	Pooja Patel	GJ01LM7890	Ahmedabad	Surat

18-FEB-26	5	250	BOOKED		
20-FEB-26	5 Ankit Gupta 9	UP32CD2468	Lucknow	Kanpur	
23-FEB-26	7 Kiran 3	KA05G7	Blr	Mysore	
		280.5	BOOKED		
TID	PNAME	BUS_NUMBER	SCITY	DCITY	
-----	-----	-----	-----	-----	-----
JDATE	SNUMBER	FARE	BSTATUS		
-----	-----	-----	-----	-----	-----
24-FEB-26	8 Manoj 16	410	CANCELLED	TN10H8	Chennai
25-FEB-26	9 Ritu 6	190	BOOKED	HR26J9	Gurug
26-FEB-26	10 Deepak 14	360.75	BOOKED	PB08K0	Amrit
					Jaland
TID	PNAME	BUS_NUMBER	SCITY	DCITY	
-----	-----	-----	-----	-----	-----
JDATE	SNUMBER	FARE	BSTATUS		
-----	-----	-----	-----	-----	-----
27-FEB-26	11 Sunita 8	210	CANCELLED	UP16L1	Noida
28-FEB-26	12 Vikas 20	180	BOOKED	MP04M2	Ujjain
01-MAR-26	13 Nisha 2	150	BOOKED	WB20N3	Kolk
					Howrah
TID	PNAME	BUS_NUMBER	SCITY	DCITY	
-----	-----	-----	-----	-----	-----
JDATE	SNUMBER	FARE	BSTATUS		
-----	-----	-----	-----	-----	-----
02-MAR-26	14 Rohit 17	260	CANCELLED	BR01P4	Patna
03-MAR-26	15 Anu 9	230	BOOKED	CG07Q5	Raipur
					Bilasp

14 rows selected.

```
SQL> select sum(fare) from tickets ;

SUM(FARE)
-----
4021.25

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\records.sql
begin
*
ERROR at line 1:
ORA-00001: unique constraint (USER1.TICKETS_PK) violated
ORA-06512: at line 2

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\records.sql

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\procedure3.sql

SQL> @@
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\procedure3.sql
Enter value for tcd: 2
old    4:      tcd:=&tcd ;
new    4:      tcd:=2 ;
      Select pname,scity,dcity,fare from tickets where tid = tcd ;
      *
ERROR at line 5:
ORA-06550: line 5, column 2:
PLS-00428: an INTO clause is expected in this SELECT statement

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\procedure3.sql

SQL> @@
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION
\procedure3.sql
Enter value for tcd: 2
old    8:      tcd:=&tcd ;
new    8:      tcd:=2 ;
      name varchar;
      *
ERROR at line 3:
```

```
ORA-06550: line 3, column 7:  
PLS-00215: String length constraints must be in range (1 .. 32767)  
ORA-06550: line 4, column 8:  
PLS-00215: String length constraints must be in range (1 .. 32767)  
ORA-06550: line 5, column 8:  
PLS-00215: String length constraints must be in range (1 .. 32767)  
ORA-06550: line 6, column 8:  
PLS-00215: String length constraints must be in range (1 .. 32767)
```

```
SQL> edit  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\procedure3.sql
```

```
SQL> @  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\procedure3.sql  
Enter value for tcd: 2  
old    8:      tcd:=&tcd ;  
new    8:      tcd:=2 ;  
The name of the passenger is :Neha Verma and want to go from Delhi to Agraand  
charge fare 300
```

```
PL/SQL procedure successfully completed.
```

```
SQL> edit  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\procedure3.sql
```

```
SQL> @  
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\REVISION  
\procedure3.sql  
Enter value for tcd: 4  
old    8:      tcd:=&tcd ;  
new    8:      tcd:=4 ;  
The name of the passenger is :Pooja Patel and want to go from Ahmedabad to Surat  
and      charge fare 250
```

```
PL/SQL procedure successfully completed.
```

```
SQL>
```