1. Display the total number of employees in Employees table using anonymous block

declare @num varchar='employee';

begin

select count(employee\_id) as total\_employee from [HR].[employees]

end

1. Create an anonymous block to display factorial of a number.

declare @num int=9

declare @count int =1

while @num>0

begin

set @count=@count\*@num

set @num=@num-1

end

print(@count)

1. Create an anonymous block to display the Months in a Y

declare @num int =10

begin

if @num=1

print('January')

else if @num=2

print('feb')

else if @num=3

print('march')

else if @num=4

print('april')

else if @num=5

print('may')

else if @num=6

print('june')

else if @num=7

print('july')

else if @num=8

print('aug')

else if @num=9

print('sep')

else if @num=10

print('oct')

else if @num=11

print('nov')

else

print('dec')

end

1. Create PL/SQL block to accept a Year and check whether it is Leap Year or Not.

declare @year int=2008

begin

if @year%100=0 and @year%400=0

print('leap year')

else if @year%4=0

print('leap year')

else

print('Not a leap year')

end

1. Create PL/SQL block to accept a String and count the Vowels in that String

declare @name varchar(20)='haritha'

declare @var char

declare @count int =0

declare @value int =1

while @value<=len(@name)

begin

set @var=substring(@name,@value,1)

if @var in('a','e','i','o','u')

begin

set @count=@count+1

end

set @value=@value+1

end

print(@count)

Create Bus schema in your local DB with emp\_id

1. Write a PL/SQL block which includes a procedure getCleanerDetails which accepts a cleaner number and returns the cleaners name and salary. The main block should call the procedure with cleaner number ‘113’ and output this cleaner’s details including the salary which has been increased by 10%.

create procedure getvalue @a int as

select cname,(csalary\*110/100)from cleaner

where cno=@a

exec getvalue 113

drop procedure getvalue

1. Create a stored Procedure getCleanersLocation. This stored Procedure takes as input a cleaner’s number and returns the cleaner’s depot address.

create procedure getvaluea @ab int as

select c.cno,d.daddress

from cleaner c inner join depot d

on c.dno=d.dno

where c.cno=@ab

exec getvaluea 110

drop procedure getvaluea

1. Create a stored Procedure that should get ‘regno’ as input it should return bus driver’s name and his salary, bus type, cleaner’s name and his salary, depot name along with the address separated by commas and the route.

create procedure getdetails @regnoa varchar as

select d.bdname,d.bdsalary,

t.tdescript,

c.cname,c.csalary,

de.dname,de.daddress

from busdriver d join bus bu on d.dno=bu.dno

join bustype t on t.tno=bu.tno

join cleaner c on c.cno=bu.cno

join depot de on de.dno=c.dno

where regno= @regnoa

exec getdetails 'D345GGG'

1. Create a stored procedure to display the cleaners name and his salary, bus driver’s name and his salary and what is the percentage of the cleaner’s salary over his driver’s salary.

create procedure details @va int as

select c.cname,c.csalary,d.bdname,d.bdsalary ,

(c.csalary/d.bdsalary )\*100 as percentage from cleaner

c join busdriver d

on c.dno=d.dno

exec details

1. Now rewrite question 1 so all cleaners in the Cleaner table have their information displayed with their salaries increased by 10%. The main block now includes a cursor ‘cleanerCursor’ which allows the processing of multiple rows returned by a query.