1.Check whether a number is Armstrong Number.

```
postgres=# do
postgres-# $$
postgres$# declare
postgres$# n int:=370;
postgres$# s int:=0;
postgres$# r int;
postgres$# m int;
postgres$# begin
postgres$# m:=n;
postgres$# while n>0
postgres$# loop
postgres$# r:=mod(n,10);
postgres$# s:=s+power(r,3);
postgres$# n:=trunc(n/10);
postgres$# end loop;
postgres$# if m=s
postgres$# then
postgres$# raise notice'Armstrong Number';
postgres$# else
postgres$# raise notice'Not an Armstrong Number';
postgres$# end if;
postgres$# end;
postgres$# $$;
NOTICE:  Armstrong Number
DO
postgres=#
```

2.Write a calculator program to perform addition,subtraction,multiplication and modulus operation.

```
postgres=# do
postgres-# $$
postgres$# declare
postgres$# n int:=400;
postgres$# m int:=47;
postgres$# begin
postgres$# raise notice'addition of two numbers=%',n+m;
postgres$# raise notice'subtraction of two numbers=%',n-m;
postgres$# raise notice'multiplication of two numbers=%',n*m;
postgres$# raise notice'division of two numbers=%',n/m;
postgres$# raise notice'modulus of two numbers=%',n%m;
postgres$# end;
postgres$# $$;
NOTICE:  addition of two numbers=447
NOTICE:  subtraction of two numbers=353
NOTICE:  multiplication of two numbers=18800
NOTICE:  division of two numbers=8
NOTICE:  modulus of two numbers=24
DO
postgres=# _
```