

9 .Write a PL/SQL block to implement all types of cursor

```
create table college (  
    faculty_id int primary key,  
    faculty_name varchar(100),  
    joining_date date,  
    salary decimal(10, 2),  
    faculty_dept varchar(50)  
);  
  
insert into college (faculty_id, faculty_name, joining_date, salary, faculty_dept)  
values  
    (1, 'john doe', '2020-08-01', 80000, 'computer science'),  
    (2, 'jane smith', '2019-06-15', 85000, 'mathematics'),  
    (3, 'jim beam', '2021-01-11', 90000, 'physics');  
  
delimiter //  
  
create procedure process_college_data()  
begin  
    declare done int default false;  
    declare fn varchar(100);  
    declare fd varchar(50);  
  
    -- declare cursor for selecting data  
    declare curl cursor for  
        select faculty_name, faculty_dept  
        from college;  
  
    -- declare handler for when no more rows found  
    declare continue handler for not found set done = true;  
  
    -- open the cursor  
    open curl;  
  
    -- start looping through the result set  
    read_loop: loop  
        -- fetch data into variables  
        fetch curl into fn, fd;  
  
        -- check if no more rows  
        if done then  
            leave read_loop;  
        end if;  
  
        -- process the fetched data (here we just print it)  
        select concat(fn, ' of ', fd) as info;  
    end loop read_loop;  
  
    -- close the cursor  
    close curl;
```

end //

delimiter ;

call process_college_data();