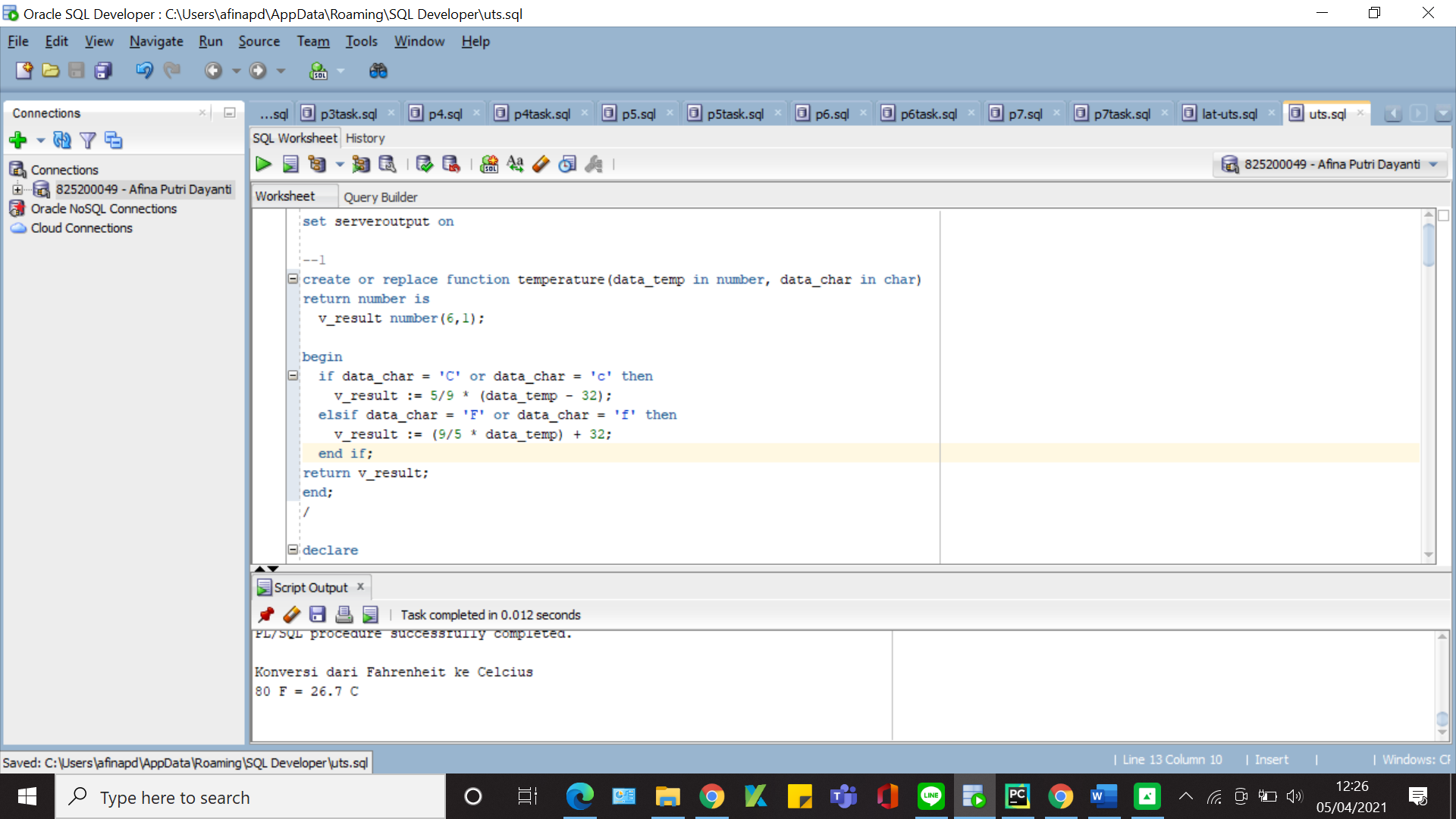
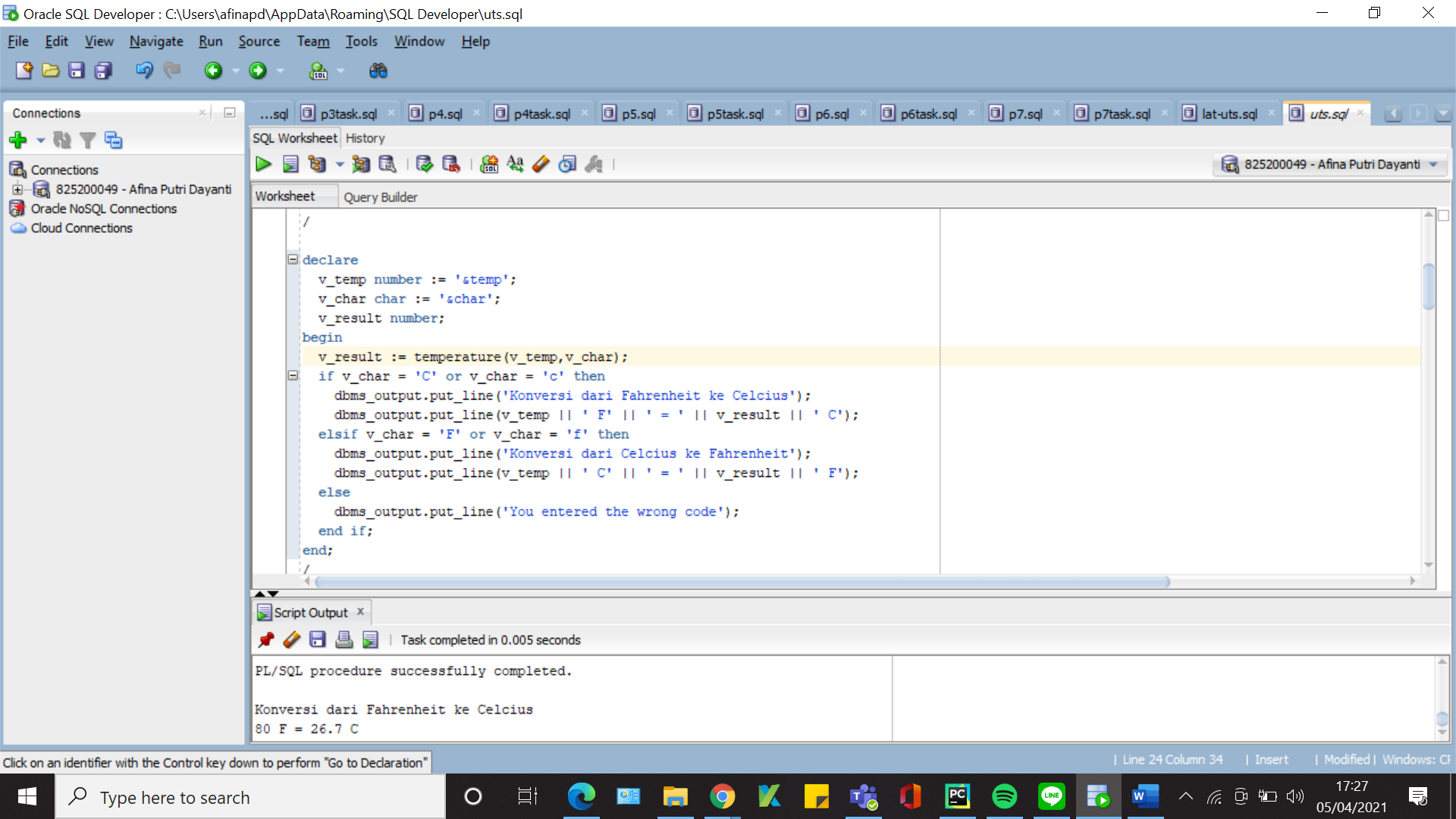
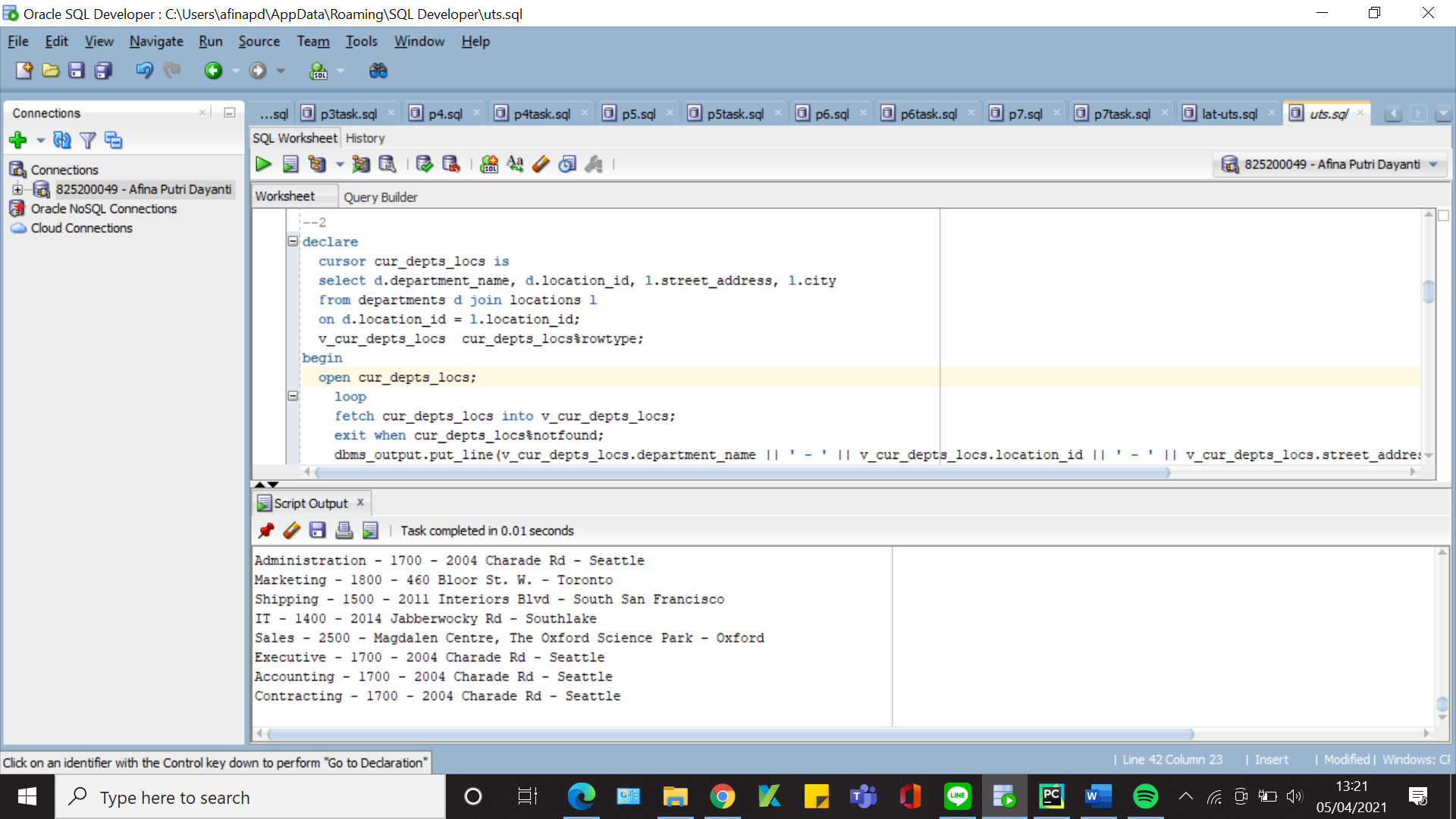
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| Mata Kuliah | : UTS Database Design and Management (Practice) |

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| --- |
| --no 1  create or replace function temperature(data\_temp in number, data\_char in char)  return number is  v\_result number(6,1);    begin  if data\_char = 'C' or data\_char = 'c' then  v\_result := 5/9 \* (data\_temp - 32);  elsif data\_char = 'F' or data\_char = 'f' then  v\_result := (9/5 \* data\_temp) + 32;  end if;  return v\_result;  end;  /  declare  v\_temp number := '&temp';  v\_char char := '&char';  v\_result number;  begin  v\_result := temperature(v\_temp,v\_char);  if v\_char = 'C' or v\_char = 'c' then  dbms\_output.put\_line('Konversi dari Fahrenheit ke Celcius');  dbms\_output.put\_line(v\_temp || ' F' || ' = ' || v\_result || ' C');  elsif v\_char = 'F' or v\_char = 'f' then  dbms\_output.put\_line('Konversi dari Celcius ke Fahrenheit');  dbms\_output.put\_line(v\_temp || ' C' || ' = ' || v\_result || ' F');  else  dbms\_output.put\_line('You entered the wrong code');  end if;  end; |

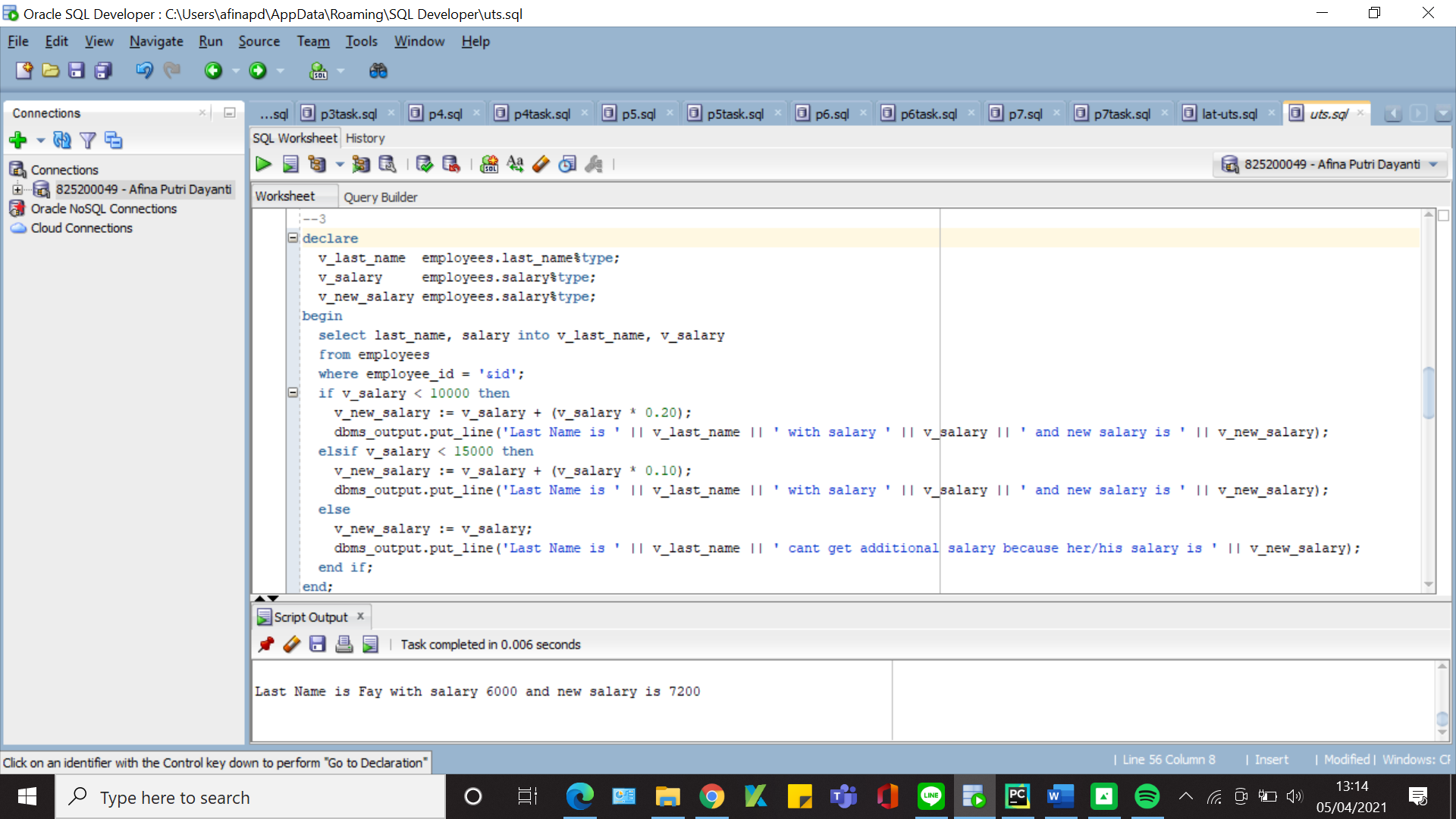




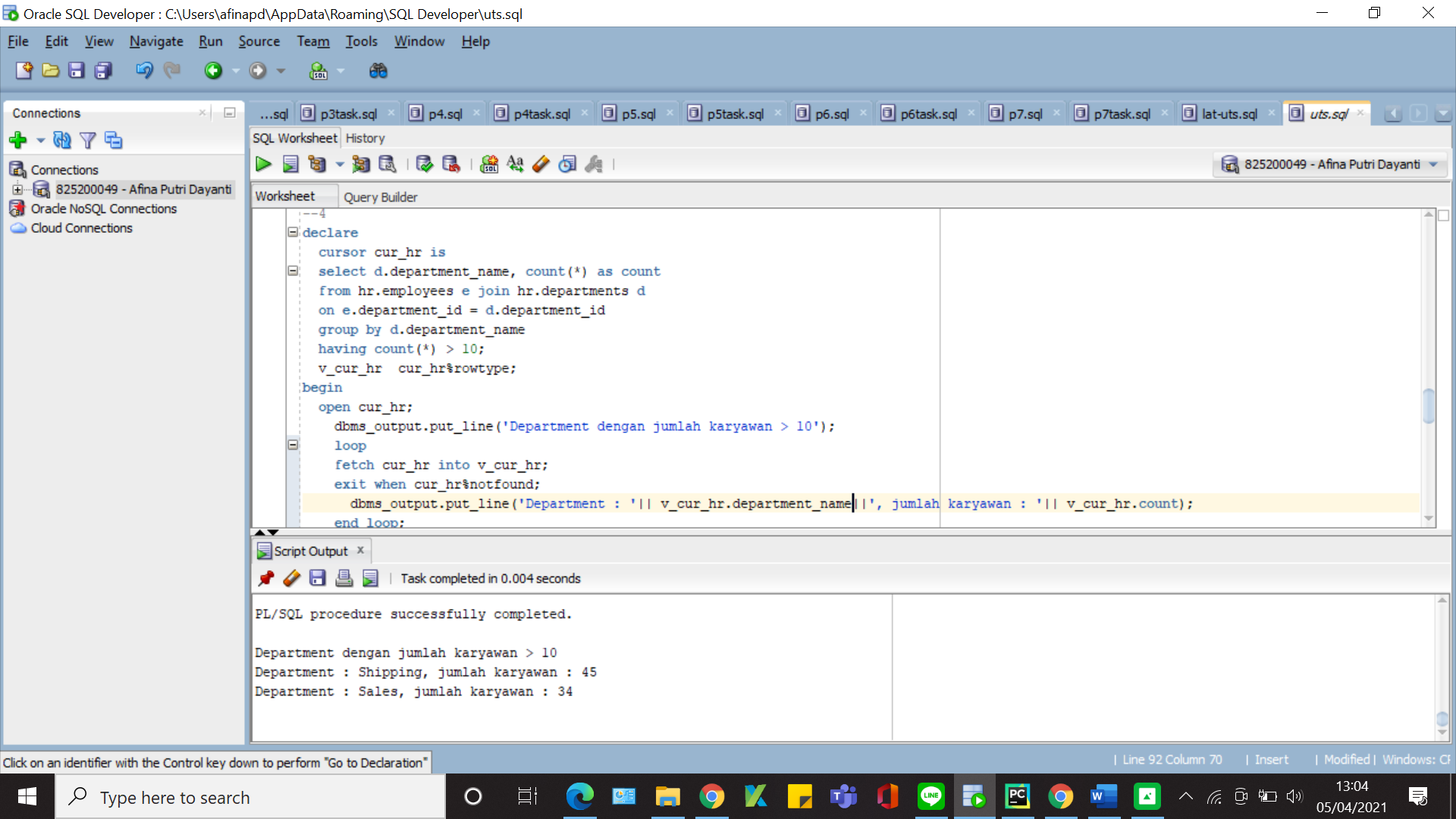
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| --- |
| --no 2  declare  cursor cur\_depts\_locs is  select d.department\_name, d.location\_id, l.street\_address, l.city  from departments d join locations l  on d.location\_id = l.location\_id;  v\_cur\_depts\_locs cur\_depts\_locs%rowtype;  begin  open cur\_depts\_locs;  loop  fetch cur\_depts\_locs into v\_cur\_depts\_locs;  exit when cur\_depts\_locs%notfound;  dbms\_output.put\_line(v\_cur\_depts\_locs.department\_name || ' - ' || v\_cur\_depts\_locs.location\_id || ' - ' || v\_cur\_depts\_locs.street\_address || ' - ' || v\_cur\_depts\_locs.city);  end loop;  close cur\_depts\_locs;  end; |



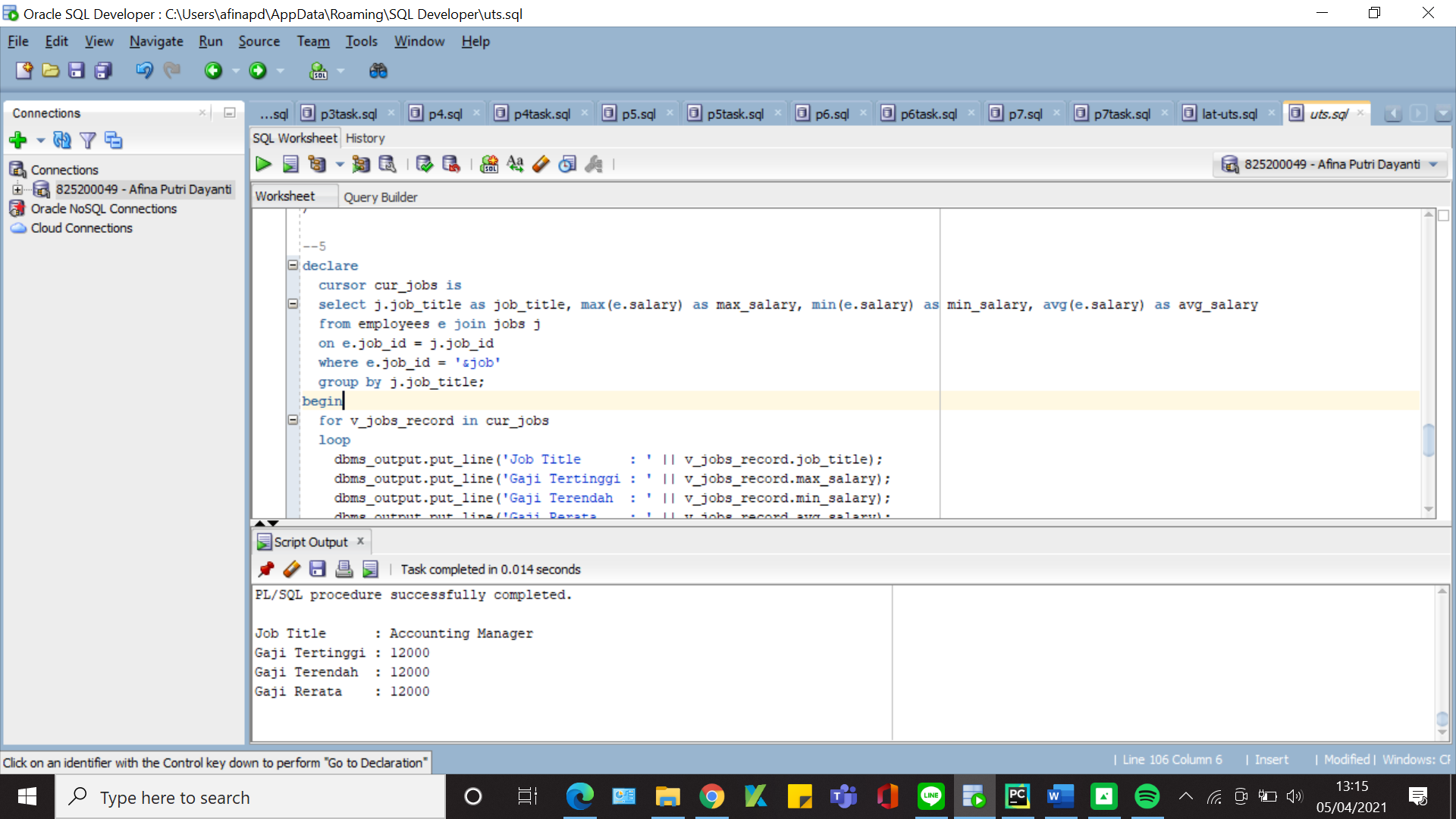
|  |
| --- |
| --no 3  declare  v\_last\_name employees.last\_name%type;  v\_salary employees.salary%type;  v\_new\_salary employees.salary%type;  begin  select last\_name, salary into v\_last\_name, v\_salary  from employees  where employee\_id = '&x';  if v\_salary < 10000 then  v\_new\_salary := v\_salary + (v\_salary \* 0.20);  dbms\_output.put\_line('Last Name is ' || v\_last\_name || ' with salary ' || v\_salary || ' and new salary is ' || v\_new\_salary);  elsif v\_salary < 15000 then  v\_new\_salary := v\_salary + (v\_salary \* 0.10);  dbms\_output.put\_line('Last Name is ' || v\_last\_name || ' with salary ' || v\_salary || ' and new salary is ' || v\_new\_salary);  else  v\_new\_salary := v\_salary;  dbms\_output.put\_line('Last Name is ' || v\_last\_name || ' cant get additional salary because her/his salary is ' || v\_new\_salary);  end if;  end; |



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| --no 4  declare  cursor cur\_hr is  select d.department\_name, count(\*) as count  from hr.employees e join hr.departments d  on e.department\_id = d.department\_id  group by d.department\_name  having count(\*) > 10;  v\_cur\_hr cur\_hr%rowtype;  begin  open cur\_hr;  dbms\_output.put\_line('Department dengan jumlah karyawan > 10');  loop  fetch cur\_hr into v\_cur\_hr;  exit when cur\_hr%notfound;  dbms\_output.put\_line('Department : '|| v\_cur\_hr.department\_name||', jumlah karyawan : '|| v\_cur\_hr.count);  end loop;  close cur\_hr;  end; |



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| --no 5  declare  cursor cur\_jobs is  select j.job\_title as job\_title, max(e.salary) as max\_salary, min(e.salary) as min\_salary, avg(e.salary) as avg\_salary  from employees e join jobs j  on e.job\_id = j.job\_id  where e.job\_id = '&job'  group by j.job\_title;  begin  for v\_jobs\_record in cur\_jobs  loop  dbms\_output.put\_line('Job Title : ' || v\_jobs\_record.job\_title);  dbms\_output.put\_line('Gaji Tertinggi : ' || v\_jobs\_record.max\_salary);  dbms\_output.put\_line('Gaji Terendah : ' || v\_jobs\_record.min\_salary);  dbms\_output.put\_line('Gaji Rerata : ' || v\_jobs\_record.avg\_salary);  end loop;  end; |



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| --no 6  declare  v\_first number := '&first';  v\_last number := '&last';  v\_ganjil number := 0;  v\_genap number := 0;  begin  for i in v\_first..v\_last loop  if mod(i, 2) = 0 then  v\_genap := v\_genap + 1;  else  v\_ganjil := v\_ganjil + 1;  end if;  end loop;  dbms\_output.put\_line('Diantara bilangan ' || v\_first || ' dan ' || v\_last);  dbms\_output.put\_line('Jumlah bilangan Ganjil adalah : ' || v\_ganjil);  dbms\_output.put\_line('Jumlah bilangan Genap adalah : ' || v\_genap);  end; |

