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**Practical Assignment No: 5B.**

**Write a trigger on Employees table to ensure that the employee’s salary does not exceed the department budget.**

**Solution:**

1. **SQL> CREATE OR REPLACE TRIGGER budget\_check**
2. **BEFORE**
3. **INSERT OR UPDATE**
4. **OF salary**
5. **ON employees**
6. **FOR EACH ROW**
7. **DECLARE**
8. **d\_budget departments.DEPAPRTMENT\_BUDGET % type;**
9. **d\_ID departments.department\_id % type;**
10. **e\_sum number;**
11. **BEGIN**
12. **select department\_id into d\_ID from employees where EMPLOYEE\_ID =:NEW.EMPLOYEE\_ID;**
13. **select sum(salary) into e\_sum from employees group by department\_id having department\_id= d\_ID;**
14. **select DEPAPRTMENT\_BUDGET into d\_budget from departments where department\_id=d\_ID;**
15. **IF((sum(salary)+:new.salary-:old.salary)> d\_budget) THEN**
16. **raise application\_error();**

**dbms\_output.put\_line('ERROR');**

**17. ELSE**

**18. dbms\_output.put\_line('salary accepted');**

**19. dbms\_output.put\_line('Old salary : ' || :old.salary ||'New Salary : '|| :new.salary); 20. END IF;**

**21. END;**

**22 /**

**Trigger Created.**

**OUTPUT:**

**SQL > update employees set salary=40000 where employee\_id=101;**

**Salary accepted**

**Old salary: 32000**

**New Salary: 40000**

**1 row updated.**

**SQL >**