Qn2.

```
CREATE OR REPLACE FUNCTION checkMaximumWorkHours() RETURNS
TRIGGER
AS $$
DECLARE
 projectBudget
                INTEGER;
 currentTotalHours INTEGER;
BEGIN
 IF (TG_OP = 'INSERT') OR (TG_OP = 'UPDATE') THEN
    SELECT pbudget INTO projectBudget
    FROM Projects
    WHERE pid = NEW.pid;
    SELECT COALESCE(sum(hours), 0) INTO currentTotalHours
    FROM Works
    WHERE pid = NEW.pid;
    IF currentTotalHours * 100 > projectBudget THEN
      NEW.hours := FLOOR(projectBudget/100 - currentTotalHours);
    END IF;
    RETURN NEW;
  END IF;
END;
$$ LANGUAGE plpgsql;
CREATE TRIGGER insertUpdateWorks
BEFORE INSERT OR UPDATE ON Works
FOR EACH ROW EXECUTE FUNCTION checkMaximumWorkHours();
```