Εργασία 3η - Μαρία-Θεοδώρα Φωλίνα - ics22059

- 1) π hname, name, year, days, cost (σ days <= 4 \wedge cost>400 (tourist \bowtie stay \bowtie ρ name -> hname, country->hcountry hotel))
- 2) π hname, city, hcountry (σ country='England' \vee country='Greece' (tourist \bowtie stay \bowtie ρ name -> hname, country->hcountry hotel))
- 3)π name (σ year=2004 (tourist \bowtie participate))
- 4) π tcode, name, country, age, gender (σ hname = 'Hilton' \wedge gender='female' (tourist \bowtie stay \bowtie ρ name -> hname, country->hcountry hotel)) π tcode, name, country, age, gender (σ hname = 'Continental' \wedge gender='female' (tourist \bowtie stay \bowtie ρ name -> hname, country->hcountry hotel))
- 5)π tourist.name (tourist \bowtie tourist.age > p.age (σ name='Maria' (ρ p tourist))) \cap π tourist.name (tourist \bowtie tourist.age > p.age (σ name='Kostas' (ρ p tourist)))
- 6) π name ((π year,hcode (σ name='Maria' (stay \bowtie tourist))) \bowtie π name,year,hcode (stay \bowtie tourist)) \bowtie π name (σ name!='Maria' (stay \bowtie tourist)))
- 7)π name, country, age (tourist) π name, country, age (tourist) \cap π name, country, age (tourist)
- 8) π tourist.tcode, tourist.name (((tourist \bowtie tourist.tcode = s1.tcode (ρ s1 stay)) \bowtie tourist.tcode = s2.tcode \land s1.hcode != s2.hcode (ρ s2 stay)) \bowtie tourist.tcode = s3.tcode \land s1.hcode != s3.hcode \land s2.hcode != s3.hcode (ρ s3 stay))
- 9) π tcode, name, country, age, gender (tourist) π tourist.tcode, tourist.name, tourist.country, tourist.age, tourist.gender (tourist \bowtie tourist.age > comparison.age ρ comparison tourist)
- 10) π name, acode (participate⋈tourist) ÷ π acode activity