Task for Associate Software Engineer
@ BPK Technologies

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Q1) Write briefly which subject in your bachelors did you like most and why?

Ans :- As i am compleated my bachelors in BE civil Engineering in 2022, civil Engineering is one of the interesting branch which offers variety of subjects like structural Engineering, Environmental Engineering and transportation Engineering etc,

Eventhough we have variety of subjects in civil Engineering I like Java which is one of the core subject introduced in the 7th semester.

As I am interested in software development and program i like java because of its Unique properties like versatility, user friendly, secured, object oriented etc.

Java is one of the highly used language in software Development.

Q2) What additional thing have u done in that subject outside of learning and scoring good marks?

Ans.:   As i have mentioned in the previous question, I am interested in java, so as soon as completion of my graduation I am joined Jspider Basavanagudi Bangalore It's one of the software institute to learn java full stack program and currently I am updated with core java, Hibernate spring mvc and spring boot and completed projects using core java.

Q3) Have you learnt anything new in last six months? if yes how did u go about learning?

Ans: Yes.
      In last six months i am completed my java full stack development program from jspiders Bangalore, which will train students on following skills.
                Core java
                Hibernate
                Spring mvc & springboot
                RDBMS (SQL)
                Web technologies (HTML, CSS, Javascript)

      As i am already interested in software field and It's an good opportunity which will help me to enhance my skills and confidence.

Q4) Passage:-

Topic:- Tirupati, Andhra pradesh as my favorite travel
destination,

Tirupati, located in South eastern state of Andhra pradesh in India holds a special space in my heart as a favorite travel destination, it is renowned for its famous Sri Venkateshwara temple, attracting millions of devotees each year.

While Tirupati widely recognised for its religious significance, I believe it is an overrated destination when it comes to its overall appeal and offerings. Beyond the spritual aspects, Tirupati boasts breath taking natural beauty.

Because of eastern ghats the region is blessed with beautiful hills, water falls, landscapes. The travel from tirpati hills to reach tirumala temple offers mesmorising memories because of surrounding forests and valleys which will gives refreshing experience.

Inspite Tirupati recognised for its religious significance, it's an natural beauty, cultural richness which makes its an overrated spot. The hills surrounded tirupati are provides an opportunities for nature entheciast and adventure seekers to participate in hiking and toneking.

It's my hobby to visit tirupati every year because me and my family are devotees of lord venkateshwara. I feel myself relief and good when i visit tirupati because of its holy nature and surrounding atmosphere.

TASK :-

Database to store Details of Student.

Student table:-

Columns:-
- Student ID (primary key)
- f-name
- L-name
- DOB
- father name
- mother name.
- Address
- english marks
- science marks
- maths marks
- java marks.

SQL Query to create table:-

Create table Student (Student-id Number(3) primary key, f-name varchar2(10), L-name varchar2(10), DOB Date, father-name varchar2(15), mother-name varchar2(15), Address varchar2(20), english-marks Number(3), Science-marks Number(3), maths marks Number(3), java-marks Number(3));

- SQL Query to desplay details of students

    - Select * from Student;

- Designing of front end to add student details is done using JSP, available at my project which is shared using Github.
    - http://github.com/ChethanYadav07.

— SQL query for showing details of student who got above 60%.

Select * from Student where
$$((English + maths + science + java)/400)^x \cdot 100 > 60;$$