

# Computer Language

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## Assignment I

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- create a component to print the details of following object

```
const car = {
  model: 'i20',
  company: 'Hyundai',
  price: 20,
  configuration: {
    color: 'gray',
    fuel: 'petrol',
    cylinder: 4,
    fuelTankCapacity: 37,
    mileage: {
      city: 14,
      highway: 20,
    },
  },
  features: ['touch screen', 'bluetooth', 'alloy wheels', 'power steering'],
}
```

- modify the above component to pass these values as props
- create a component to render table and unordered list for the following array

```
const posts = [
  {
    userId: 1,
    id: 1,
    title:
      'sunt aut facere repellat provident occaecati excepturi optio reprehenderit',
    body: 'quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rerum est autem sunt rem eveniet architecto',
  },
  {
    userId: 1,
    id: 2,
    title: 'qui est esse',
  },
]
```

```
    body: 'est rerum tempore vitae\nsequi sint nihil reprehenderit dolor  
beatae ea dolores neque\nfugiat blanditiis voluptate porro vel nihil  
molestiae ut reiciendis\nqui aperiam non debitis possimus qui neque nisi  
nulla',  
  },  
  {  
    userId: 1,  
    id: 3,  
    title: 'ea molestias quasi exercitationem repellat qui ipsa sit aut',  
    body: 'et iusto sed quo iure\nvoluptatem occaecati omnis eligendi aut  
ad\nvoluptatem doloribus vel accusantium quis pariatur\nmolestiae porro  
eius odio et labore et velit aut',  
  },  
  {  
    userId: 1,  
    id: 4,  
    title: 'eum et est occaecati',  
    body: 'ullam et saepe reiciendis voluptatem adipisci\nsit amet autem  
assumenda provident rerum culpa\nquis hic commodi nesciunt rem tenetur  
doloremque ipsam iure\nquis sunt voluptatem rerum illo velit',  
  },  
  {  
    userId: 1,  
    id: 5,  
    title: 'nesciunt quas odio',  
    body: 'repudiandae veniam quaerat sunt sed\nalias aut fugiat sit  
autem sed est\nvoluptatem omnis possimus esse voluptatibus quis\nest aut  
tenetur dolor neque',  
  },  
  {  
    userId: 1,  
    id: 6,  
    title: 'dolorem eum magni eos aperiam quia',  
    body: 'ut aspernatur corporis harum nihil quis provident  
sequi\nmollitia nobis aliquid molestiae\nperspiciatis et ea nemo ab  
reprehenderit accusantium quas\nvoluptate dolores velit et doloremque  
molestiae',  
  },  
  {  
    userId: 1,  
    id: 7,  
    title: 'magnam facilis autem',  
    body: 'dolore placeat quibusdam ea quo vitae\nmagni quis enim qui
```

```

quis quo nemo aut saepe\nquidem repellat excepturi ut quia\nsunt ut sequi
eos ea sed quas',
  },
  {
    userId: 1,
    id: 8,
    title: 'dolorem dolore est ipsam',
    body: 'dignissimos aperiam dolorem qui eum\nfacilis quibusdam animi
sint suscipit qui sint possimus cum\nquaerat magni maiores
excepturi\nipsam ut commodi dolor voluptatum modi aut vitae',
  },
  {
    userId: 1,
    id: 9,
    title: 'nesciunt iure omnis dolorem tempora et accusantium',
    body: 'consectetur animi nesciunt iure dolore\nenim quia ad\nveniam
autem ut quam aut nobis\net est aut quod aut provident voluptas autem
voluptas',
  },
]

```

- update the above list by creating a separate component named Post which will accept userId, id, title and body as props

## Assignment II

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- Create a login component to get email address and password from user. The component should contain a login button. The login button should print the user credentials on console.
- Create a registration component to get the user details. The component should contain a register button. The button should print the user credentials on console.
- Create a counter component with two buttons and one label. One button will increment while another button will decrement the counter. The label should show the current value of counter.
- Create a component which will show the rating using star images. The component should receive a property rating which should control number of stars to be shown.

## Assignment III

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- create an admin panel for hotel reservation application
  - login
  - register
  - add a hotel
  - get the list of existing hotels

- update selected hotels details
- get the list of bookings
- get the list of canceled bookings
- get the list of users
- mark when user shows up for the booking
- create a hotel reservation application with following requirements
  - login
  - register
  - get list of hotels
  - show selected hotels details
  - book a table in selected hotel
  - see the booking history
  - cancel a reservation made earlier