You can get insurance in many different forms, including motor, property, travel, and health. Small amounts of money known as premiums are collected periodically by insurance companies from an individual or an organisation. These premiums are then used to pay the individual or organisation for any losses that the insurance company covers. It is up to the insurance companies to decide how much premium to charge investors.

If insurance companies wind up overcharging their investors, it is only natural that those investors will prefer to buy insurance from their competitors. Insurance pricing forecast is an exciting big data analytics project solution that uses regression analysis to determine the best rates for insurance premiums.

About Dataset:

Columns

- age: age of primary beneficiary
- sex: insurance contractor gender, female, male
- bmi: Body mass index, providing an understanding of body, weights that are relatively high or low relative to height,
  objective index of body weight (kg / m ^ 2) using the ratio of height to weight, ideally 18.5 to 24.9
- children: Number of children covered by health insurance / Number of dependents
- smoker: Smoking
- region: the beneficiary's residential area in the US, northeast, southeast, southwest, northwest.
- charges: Individual medical costs billed by health insurance

Create a programme that the predicts the cost of medical insurance by taking the following parameters as input:

1. Age
2. Gender
3. BMI
4. Smoker/Non-Smoker
5. Children
6. Region