PUBLIC HEALTH

TEAM NAME :MAXI CODE

TEAM MEMBERS:SAI RISHI,HARSHITH

TEAM INTRODUCTION

Our team is comprised of two team members:

Sai Rishi : The leader and first team member . The researcher and coder makes sure everything is going smoothly.

Harshith : The second team member, primary coder and executor of whatever is going on. The man who is mainly in charge of the code.

THE PROBLEM ADDRESSING

Our team had choosen the topic of public health . So during lockdown our fitness reduced and some people even would have forgotten to put vaccines for their babies (new born to 15 months).

So to address these problems we have created a simple code which solves the problems written above.

BACKGROUND INFORMATION

- Health is the most vital aspect of life and during this pandemic exercising rate has decreased and some people have forgotten at which time or what time or for how much time a particular vaccine should be taken.
- We are solving the issues of health monitoring and taking vaccines for babies (new –born to 15 months old).
- We are using the programming language of python and created a simple code of inputs and generate solutions for the problems we intend to address

SOLUTION SUMMARIZED

- So our code comprises a series of inputs and formulas which generates an output on the basis of given inputs.
- So it is like an answering machine or a very simple help desk in which it will give an output from the inputs of the user
- The working of the program is explained in the following slide

THE WORKING OF OUR CODE

- THE WORKING OF THE CODE
- Firstly you need to give an input of your phone number then an OTP is generated
- After entering the correct OTP then the code asks for further inputs
- So the page is confidential

THE WORKING OF OUR CODE

Our code comprises of three parts :

FIRST PART

BMI – calculator:

It's a body mass index which tells that if you are fit or not.

So our code what does is it takes the input of your name , age , height ,weight , gender (The gender number will come play later)

After entering the following inputs the bmi formula which we entered will generate a value in inter form and indi cate wether you are underweight , ovrweight ,healthy , obese and extremely obese.

This is way of keeping track of your body fitness and health

THE WORKING OF OUR CODE

THE SECOND PART OF OUR CODE :

The future height predictor:

Here we add an additional input of your mother's and father's hieght. Here the gender comes into play . If you had entered your gender as a male then the formula will be (mom's height + dad's height +.13m)/2

;if you are a female then in the place of +.13m - 13m will be in the formula. these formulea help in calculating your future height and this is an approximate value not pinpoint.

The resulting outpoint is your approximate future height.

THE WORKING OF OUR CODE

- THE THIRD AND LAST PART OF OUR CODE :
- OTP accesisible vaccine sheet:
- So the phone number which we entered in the starting comes into play here.So to that particular phone number there will be and otp of three to four digits.By entering the correct otp you can access the vaccine sheet . There is an additional input of addin g your baby's age (new born ie 0 months to 15 months).After entering your correctotp and babies age you can find out which vaccine should be taken at what time and for how much time.

THE IMPORTANT ASPECTS OF OUR CODE

- SOME IMPORTANT THINGS OF OUR CODE:
- Firstly about the inputs:
- The age input should be entered form the range of 1 – 119 years only
- The phone_number input is restricted to 10 digits only
- The OTP should be entered correctly or else an error will be raised and the vaccine sheet won't be accessed
- The vaccine sheet is only for babies from newborn babies I.e. 0 months to 15 months

IMPORTANT ASPECTS OF OUR CODE

- Secondly about our code :
- So the code takes the input of weight in kilograms(decimal value is accepted); height in meters(decimal value is accepted) ; fathers and mothers height takes the input in meters(decimal value is accepted)
- Formulae
- BMI for male and female is the same =

Weight/Hieght^2 (^2 is only for height)

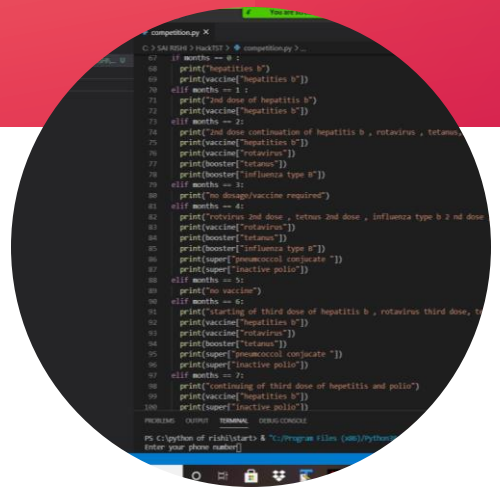
Future height male =

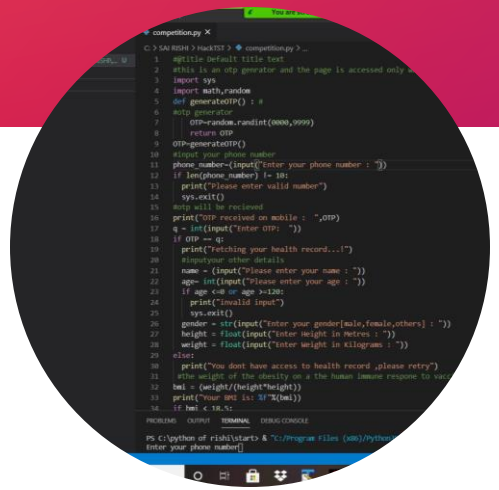
(moms height + dads height +0.13m)/2

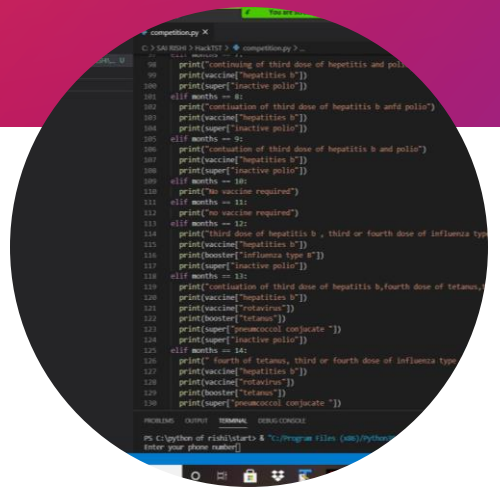
Future height female =

(moms height +dads height –0.13m)/2

IMPORTANT ASPECTS OF OUR CODE







- The confidentiality of our code:

We made this page only accessible by an OTP only.

Suppose if the OTP entered is correct then the page is accessible and if the OTP entered is wrong then the code will end and it won't take further inputs.

NEXT STEPS FOR THE PROGRAM

- WOULD YOU LIKE TO FURTHER DEVELOP IT:
- Yes we would like to further develop it

And give a beneficial result to the society and hope that this would be helpful

If we had more skills we wanted to make it interactive user face and apply on different devices

CAN IT BE A SELLABLE PRODUCT?

It could have been if there were many more developments

WORKED CITES

- The sites we worked on were:
- Visual studio code
- Google colab
- Microsoft powerpoint
- Google chrome
- Google
- https://www.cdc.gov/vaccines/schedules/hcp/imz/child-adolescent.html the site for the vaccine sheet
- The main inspiration was the overall scenario and to make things better

THANK YOU FOR GIVING US THE WONDERFUL OPPORTUNITY TO TAKE PART IN THIS COMPETITION