NAME: B.HARITHA

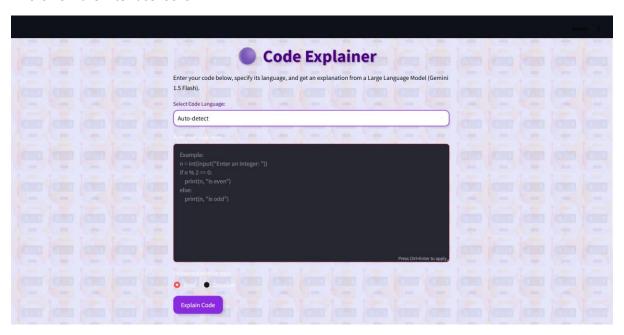
COLLEGE NAME: VIT VELLORE

CODE

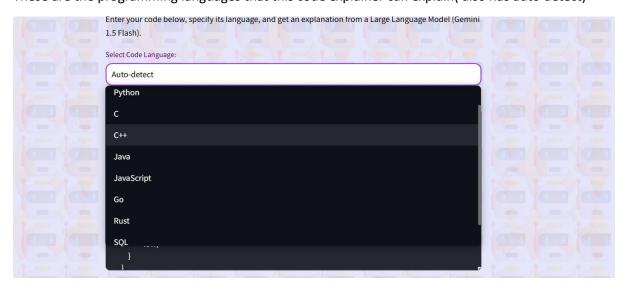
```
.stButton > button {{
    background-color: {PURPLE_PRIMARY};
    color: {WHITE_TEXT};
    border-radius: 12px;
    padding: 10px 20px;
    font-size: 18px;
    border: none;
    box-shadow: 3px 3px 6px rgba(0,0,0,0.2);
    transition: all 0.3s ease;
.stButton > button:hover {{
    background-color: {PURPLE_DARK};
    transform: translateY(-2px);
    box-shadow: 5px 5px 10px rgba(0,0,0,0.3);
.stSelectbox > label, .stTextarea > label {{
    color: {PURPLE_DARK};
    font-weight: bold;
.stSelectbox > div > div {{
    border-radius: 12px;
    border: 2px solid {PURPLE_PRIMARY};
    box-shadow: 2px 2px 4px rgba(0,0,0,0.1);
    background-color: {WHITE_TEXT};
   color: {BLACK_TEXT};
.stSelectbox > div > div > div > div 
    color: {BLACK_TEXT};
.stTextArea > div > div > textarea {{
   border-radius: 12px;
    border: 2px solid {PURPLE_PRIMARY};
    box-shadow: 2px 2px 4px rgba(0,0,0,0.1);
    background-color: {PURPLE_DARK};
   color: {WHITE_TEXT};
font-family: 'monospace';
.explanation-output-box {{
   border-radius: 12px;
background-color: {PURPLE_MEDIUM};
    color: {WHITE_TEXT};
    padding: 20px;
    margin-top: 20px;
   box-shadow: 3px 3px 8px rgba(0,0,0,0.3);
border: 1px solid {PURPLE_PRIMARY};
.explanation-output-box p {{
   color: {WHITE_TEXT};
.explanation-output-box h3 \{\{
    color: {WHITE_TEXT};
```

OUTPUT

This is how the interface looks:



These are the programming languages that this code explainer can explain(also has auto detect)

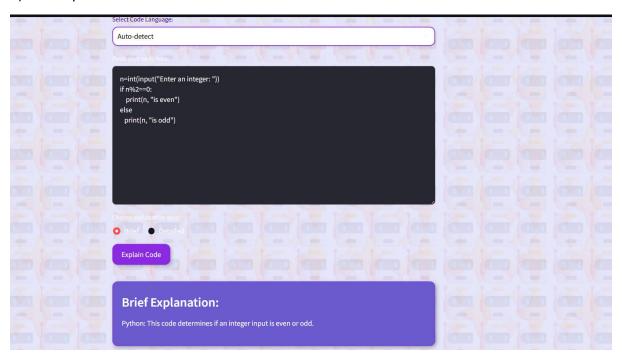


Also HTML/CSS(included)

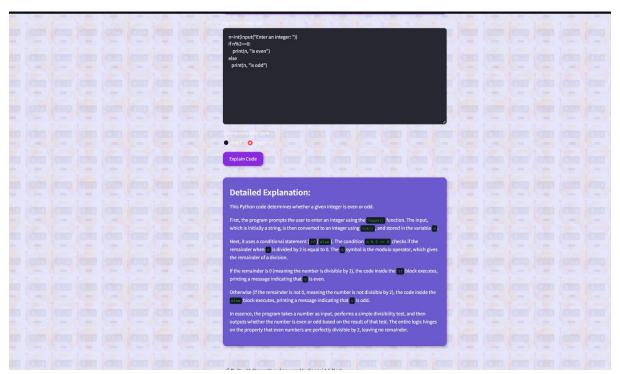
Python test:

Gives option to user to choose between Brief and Detailed explanation(according to their convenience)

1)Brief Explanation:



2) Detailed Explanation:



Java Test:

1)Brief Explanation:

```
Public class Prime {

public static void main(String[] args) {

int low = 20, high = 50;

while (low < high) {

if(checkPrimeNumber(low))

System.out.print(low + " ");

++low;

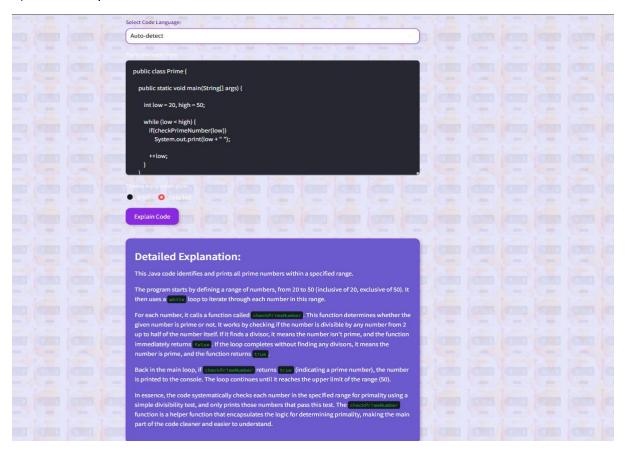
}

Choose explanation:

Brief Explanation:

Java: This code prints all prime numbers within a specified range.
```

2) Detailed Explanation:



Similarly all other languages are tested.