**PHYTHON FULL STACK DEVELOPER NOTES**

* FRONT END TOPICS(Languages, Frame work, Library)
* BACKEND TOPICS(Languages, Frame work, Library)
* DATA BASE TOPICS((Languages, Frame work, Library)

**FRONT END**

**LANGUAGES - HTML, CSS, JAVASCRIPT, TYPESCRIPT,REACT.JS**

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| **HTML (Hyper Text Markup Language)** | | |
| **SL.NO** | **TOPICS** | **TAGS** |
|  | Headings | <h1 to h6> |
|  | Paragraph | **<P>** |
|  | List | <li>,<ol>,<ul></li> |
|  | Table | <table>,<tablehead(th)>,<td>,<tr>,<tc></table> |
|  | Anchor | <a href=””>link tag |
|  | Iframe | <iframe> use website link |
|  | Image | <img> to add images |
|  | Video | <video>to add videos |
|  | Form | <form> input element, submit button, radio button |

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| **CSS(CASCADING STYLE SHEET)** | | |
| **SL.NO** | **TOPICS** | **TAGS** |
|  | 3 Ways of Cs s | 1.Inline css(style in with in a line)  2. Internal css(style in with in prg on top)  3.External cs(style.css in other page) |
|  | Color | style="color: blueviolet |
|  | B g color | Background-color: color name |
|  | B g image | Backgrond – img : (url link) |
|  | Border | Border-radius:25px |
|  | Height | Height :20px |
|  | Width | Width :30px |
|  | Box model | background-color: rgb(177, 53, 53);    width: 300px;    border: 15px solid rgb(70, 0, 128);    padding: 50px;    margin: 20px; |
|  | Display inline block | display: inline; for single line color or..  display: block; over all block |
|  | Nav bar | Vertical ,horizontal (check w3school) |
|  | Float | Float: right or float: left etc |
|  | Font size | font size:20px |
|  | Method | Cal function |
|  | Over flow | Auto,hidden,overflow,scroll(if text overflow we can use this tags to control) |
|  | Position | Sticky position,absolute,fixed,relative,static position |
|  | Selector | Class . , id #, element, grouping, universal\*(IMP) |
|  | Responsive Design | Flex, grid, media query(IMP) |

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| **JAVASCRIPT(.JS)-TYPE SCRIPT** | | |
| **SL.NO** | **TOPICS** | **List of topics** |
| 1 | Introduction of JS | Definition and Explanation |
| 2 | Data Types in JS | 1. String. 2. Number. 3. Bigint. 4. Boolean. 5. Undefined. 6. Null. 7. Symbol. 8. Object |
| **3** | [Different ways of o/p declaration with example](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\3ways-to-give-js-to-html\way.html) | 1. [Inner Html](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\3ways-to-give-js-to-html\way2inner.html) 2. [Alert](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\3ways-to-give-js-to-html\way1-alert.html) 3. [Document](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\3ways-to-give-js-to-html\way3-document.html) 4. [Consol.log()](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\3ways-to-give-js-to-html\way4-consol.html) |
| **4** | Variables | * [Using var](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\Variables\var.html) * [Using let](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\Variables\let.html) * [Using const](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\Variables\const.html) |
| 5 | Function | 1. [Normal Function](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Function\normal.html) 2. [Anonymous Function](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Function\anonymous.html) 3. [Fate Arrow Function](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Function\fateArrow.html%20) 4. [Generator Function](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Function\genarator.html) 5. [HOC function(IMP Topic)](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Function\hoc.html) 6. [IIFE Function](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Function\iife.html) 7. [Pure Function](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Function\pure.html) |
| 6 | Datatypes | * [Own Data Type](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\Datatypes\Owndata-type\owndatatype.html) * [Default Data Types](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\JAVASCRIPT\Datatypes\Defaultdata-type\deafault.html) |
| **TYPE SCRIPT(.ts)** | | |
| **SL.NO** | **TOPICS** | **List of topics** |
|  | Introduction | Definition and Explanation |
|  | [Document object Method](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Dom\dom.html) | (Project1) Static Image Products  (Project2) Static Video Products |
|  | [Interface](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Interface\interface.html) | Definition |
|  | [Condition](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Condition\condition.html) | 1. IF 2. ELSE 3. AND 4. OR 5. NOT   Project: [Random Days](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Condition\switch.html)   [Random Months](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Condition\switch2.html) |
|  | [State](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\State\state.html) | Types of State  Pending  Fulfilled  Rejected |
|  | [Billing software](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Module\Project\Billing%20software\billingsoftware.html) | Billing form |
|  | [Module](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Module\module.html) | 1. Static Module 2. Dynamic Module   > Synchronize  >Asynchronies |
|  | [API Projects](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\API%20Projects\apiproject.html) | [Project 1-Carona](file:///D:\\Apponix\\Future-Friendly\\Phy-Fullstack\\Frontend\\Languages\\TYPESCRIPT\\API%20Projects\\Carona\\caronaapi.html)  [Project 2 - Flipkart](file:///D:\\Apponix\\Future-Friendly\\Phy-Fullstack\\Frontend\\Languages\\TYPESCRIPT\\API%20Projects\\Flipkart\\flipkart.html)  [Project 3 - Flipkart with table](file:///D:\\Apponix\\Future-Friendly\\Phy-Fullstack\\Frontend\\Languages\\TYPESCRIPT\\API%20Projects\\Flipkart\\flipkart.html)  [Project 4-Pokemon](file:///D:\\Apponix\\Future-Friendly\\Phy-Fullstack\\Frontend\\Languages\\TYPESCRIPT\\API%20Projects\\Pokemon\\pokemon.html)  [Project 5--Json Photos](file:///D:\\Apponix\\Future-Friendly\\Phy-Fullstack\\Frontend\\Languages\\TYPESCRIPT\\API%20Projects\\jsconphotos\\jsonimg.html) |
|  | [Loop Concept](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\Loops\loop.html) | 1. [For loop](file:///D:\\Apponix\\Future-Friendly\\Phy-Fullstack\\Frontend\\Languages\\TYPESCRIPT\\Loops\\forloop.html) 2. [While loop](file:///D:\\Apponix\\Future-Friendly\\Phy-Fullstack\\Frontend\\Languages\\TYPESCRIPT\\Loops\\whileloop.html) 3. [Do while loop](file:///D:\\Apponix\\Future-Friendly\\Phy-Fullstack\\Frontend\\Languages\\TYPESCRIPT\\Loops\\dowhileloop.html) |
|  | [Rest,spread,etc](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\rest-spread-copy-arry-copy-obj\index.html) |  [Rest](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\rest-spread-copy-arry-copy-obj\rest.html)   [Spread](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\rest-spread-copy-arry-copy-obj\spread.html)   [Copy of Array](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\rest-spread-copy-arry-copy-obj\copyofArry.html)   [Copy of Object](file:///D:\Apponix\Future-Friendly\Phy-Fullstack\Frontend\Languages\TYPESCRIPT\rest-spread-copy-arry-copy-obj\copyofObj.html) |

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| **REACT.(JS)** | | |
| **SL.NO** | **TOPICS** | **Small defination** |
|  | React Introduction | Installation part |
|  | Node Modules |  |
|  | NPM | Node package Manegement |
|  | Pacake.json | Own list |
|  | Package .lock.json | Another list |
|  | Render | It will helps to display (life cycle method )Where u want to show, what u want to show |
|  | Components | Buttons, elements, cards, navbar, etc etc |
|  | Bable | Google translator HTML to JS |
|  | Rules of React | To start work we should know this rules |
|  | Props | It will help to transfer data from one component to another component |
|  | Hooks | It is function calling in the another function |
|  | Use state hooks | It will update recent value |
|  | Use Effect | To stop looping |
|  | Fragments | <></>this is symbol of fragment to save memory , in place of div we will use this |
|  | MUI | Multilingual user interface (Online framework) |
|  | Currying | It will help to transform a function with multiple arguments |
|  | Life cycle method | 3Types  Mounting  Updating  Unmounting |