Learning Plan:-2020-

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| Sr.no | Legends | Author | Status | Pending | Links |
| 1.0 | [Pandas Tutorials](https://www.youtube.com/playlist?list=PL-osiE80TeTsWmV9i9c58mdDCSskIFdDS) | Corey Schafer | C | T-10,11 | <https://www.youtube.com/watch?v=N6hyN6BW6ao&list=PL-osiE80TeTsWmV9i9c58mdDCSskIFdDS&index=11> |
| 1.1 | Matplotlib Tutorial | Corey Schafer | NS |  | <https://www.youtube.com/watch?v=UO98lJQ3QGI&list=PL-osiE80TeTvipOqomVEeZ1HRrcEvtZB_> |
| 1.2 | Python OOP Tutorial | Corey Schafer | NS |  | <https://www.youtube.com/watch?v=ZDa-Z5JzLYM&list=PL-osiE80TeTsqhIuOqKhwlXsIBIdSeYtc> |
| 2.1 | Introduction - Data Analysis and Data Science with Python and Pandas | Sentdex | NS |  | <https://www.youtube.com/watch?v=nLw1RNvfElg&list=PLQVvvaa0QuDfSfqQuee6K8opKtZsh7sA9> |
| 2.2 | Practical Machine Learning Tutorial with Python | Sentdex | NS |  | <https://www.youtube.com/watch?v=OGxgnH8y2NM&list=PLQVvvaa0QuDfKTOs3Keq_kaG2P55YRn5v> |
| 2.3 | Introduction to Python 3 Programming Tutorial | Sentdex | NS |  | <https://www.youtube.com/watch?v=eXBD2bB9-RA&list=PLQVvvaa0QuDeAams7fkdcwOGBpGdHpXln> |

**Basic Python**

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| Sr.no | Legends | Author | Status | Pending | Links |
| 1.0 | a. Basic Python  b .6-hour basic video | Tim | Started | Completed-6 | <https://www.youtube.com/watch?v=vKeoXxVaga4> |
| 2.0 | Basic Python(list,set,dict) | Sentdex | NS |  | <https://www.youtube.com/watch?v=eXBD2bB9-RA&list=PLQVvvaa0QuDeAams7fkdcwOGBpGdHpXln> |
| 3.0 | [Pandas Tutorials](https://www.youtube.com/playlist?list=PL-osiE80TeTsWmV9i9c58mdDCSskIFdDS)-intermediate | Corey Schafer | NS |  | <https://www.youtube.com/watch?v=xFciV6Ew5r4&list=PLaL2yxczKLcDWDRB0ZrxsuKlupJU0Njje> |
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**Python basic exercise**

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| Sr.no | Legends | Author | Status | Pending | Links |
| 1 | Python basic-1 exercise | W3resource | 5-completed |  | <https://www.w3resource.com/python-exercises/python-basic-exercises.php> |
| 2 | Python-list | W3resource |  |  | File name-practise\_list\_question.py |
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**Daily activity-**

**Important link for below plan-**<https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=4&t=41s>

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| Sr.no | Legends | Date | Status | Pending | Exercise saved  (C:\Users\pnaik27\AppData\Local\Programs\Python\Python37) |
| 1 | ([01:05:51](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=3951s)) List's and Tuples | 4th June 2020 | C |  | Tim\_List,Tuple.py |
| ([01:14:09](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=4449s)) Iteration by Item | C |  | Tim\_List,Tuple.py |
| ([01:20:13](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=4813s)) String Methods | C |  | String\_methods.py |
| ([01:26:38](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=5198s)) Slice Operator | C |  | Slice\_operator.py |
| PostgreSQL(Udemy) | C |  |  |
| 2 | ([01:33:41](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=5621s)) Functions | 5th June 2020 | C |  | Function.py |
| ([01:42:10](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=6130s)) How to Read a Text File | C |  | How to read a file.py |
| ([01:50:31](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=6631s)) Writing to a Text File | C |  | How to write to a file.py |
| ([01:54:50](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=6890s)) Using .count() and .find() | C |  | using .count,.find().py |
| PostgreSQL |  |  |  |
| 3 | ([02:01:47](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=7307s)) Introduction to Modular Programming | 6th June 2020 | C |  | Introduction to Modular Programming .py |
| ([02:09:28](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=7768s)) Optional Parameters | C |  | Optional Parameters.py |
| ([02:15:36](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=8136s)) Try and Except (Error Handling) | C |  | try and except.py |
| ([02:20:29](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=8429s)) Global vs Local Variables | C |  | Global vs local variable.py |
| PostgreSQL |  |  |  |
| 4 | **Object Oriented Programming**  ([02:29:16](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=8956s)) Introduction to Objects  ([02:39:02](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=9542s)) Creating Classes  ([02:50:37](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=10237s)) Inheritance  ([03:03:13](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=10993s)) Overloading Methods | 7th June |  |  |  |
| PostgreSQL |
| 5 | ([03:16:01](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=11761s)) Static Methods and Class Methods  ([03:25:44](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=12344s)) Private and Public Classes | 8th June |  |  |  |
| PostgreSQL |
| 6 | **Intermediate Python**  ([03:31:40](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=12700s)) Optional Parameters  ([03:41:13](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=13273s)) Static and Class Methods ([03:50:24](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=13824s)) Map Function  ([03:56:15](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=14175s)) Filter Function  ([04:03:12](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=14592s)) Lambda Function | 9th June |  |  |  |
| PostgreSQl |
| 7 | ([04:10:12](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=15012s)) Introduction to Collections ([04:22:17](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=15737s)) Named Tuple  ([04:30:20](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=16220s)) Deque | 10th June |  |  |  |
| PostgreSQL |
| 8 | **Advanced Python**  ([04:40:12](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=16812s)) Overview of Python  ([04:58:34](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=17914s)) Dunder/Magic Methods  ([05:12:23](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=18743s)) Metaclasses  ([05:34:10](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=20050s)) Decorators  ([05:50:29](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=21029s)) Generators  ([06:04:32](https://www.youtube.com/watch?v=sxTmJE4k0ho&list=LLwNGCf_aQPH6e138YXtTL3g&index=3&t=21872s)) Context Managers | 11th June |  |  |  |
| PostgreSQl |
| 9 |  |  |  |  |  |
| 10 |  |  |  |  |  |