Python Exam 98-381:

Note: practice and read some materiel to become a Microsoft certified

Complete Exam outline:

[https://www.microsoft.com/en-us/learning/exam-98-381.aspx](https://www.microsoft.com/en-us/learning/exam-98-381.aspx?fbclid=IwAR0PzfRYSiEk6jKYspcg_q1S61e-NUpcBKr0H0vtFOnQi2b-6NgpJaZjuPA)

Important Links for preparation:

1. Attempt Mcqs only:

[https://academy.microsoft.com/.../artificial-intelligence/](https://academy.microsoft.com/en-us/professional-program/tracks/artificial-intelligence/?fbclid=IwAR0qr0EHoKrZijRk26QpJv8N1-LHbBRkK5dUZ6QQukWnI-z8txWfqk2Fi30)

2) Beginning Code practice:

[https://github.com/.../Begin%20to%20code%20Python%20MTA...](https://github.com/Begintocodewithpython/Begintocodewithpython.github.io/blob/master/Begin%20to%20code%20Python%20MTA%2098-381%20Exam%20Prep.pdf?fbclid=IwAR0PzfRYSiEk6jKYspcg_q1S61e-NUpcBKr0H0vtFOnQi2b-6NgpJaZjuPA)

3) Read python from python documentation:

[https://docs.python.org/3/tutorial/index.html...](https://l.facebook.com/l.php?u=https%3A%2F%2Fdocs.python.org%2F3%2Ftutorial%2Findex.html%3Ffbclid%3DIwAR1Ty0wCvx6iBWjkvigfc4cF6Y7XIjQd6haKjPgdKrTD7p-syc92RnYhKBU&h=AT1pMVFUTrn0-rNU84-kdKG6TG7NdbYcYJX-Kd7wgnWj4qBYQt6pudS6SMKXYf_IayE9ItkPFasd7us4hp7xda6eJRPBSZOkXEZbFCLghouDyy1FHsOnZ7TV7YOQPz-t8FQV&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)

4) Python Reserve Keywords (attached below image)

5) **Docstrings in Python:**

[https://www.datacamp.com/.../tutorials/docstrings-python...](https://www.datacamp.com/community/tutorials/docstrings-python?fbclid=IwAR3bT-BqxU1HnNByzy_ByRvTnQOIywV6jiJJIohqboETJROLgykl0mHIENw)

6) Modules:

Python sys module:  
[https://www.python-course.eu/sys\_module.php](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.python-course.eu%2Fsys_module.php%3Ffbclid%3DIwAR350YAz3ygBl5aESprgcWs7HnOa0MwmXfPllE4sBH0Feq_BG5_YzL672V4&h=AT3bobZCWkEehgyp-3OdACxTbnRikBm5Bw-KRkJ-xLg6SC9MDWE_CgaFlLeVezhYLJBYbQRblMdcrAEyzRaqj1bsa2HT4kvY4NtQYfuBY1CZra0P-s1fJfwb0x4BR5FrrNKE&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)  
[https://python101.pythonlibrary.org/chapter20\_sys.html](https://l.facebook.com/l.php?u=https%3A%2F%2Fpython101.pythonlibrary.org%2Fchapter20_sys.html%3Ffbclid%3DIwAR2nUJiLGrBoSk8o6oImqfgNzJc-X6BXKcpnlT95s3QvdHzRFv3lrQzIM0E&h=AT3AlYIhw1FSSRcJ_y88YSROVMxZWglIG4kZYYacArP8Sor2loEuLI89D5WMqe44Llyaiyr7fTijCZNBMI2Rm5dNIHPXyQov_STv2xK389uZDnqfbn8ktr233B_ILD_L79bn&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)

Math module:

[https://docs.python.org/3/library/math.html...](https://l.facebook.com/l.php?u=https%3A%2F%2Fdocs.python.org%2F3%2Flibrary%2Fmath.html%3Ffbclid%3DIwAR0AWg7aatYAcFx0_ZdAwbCU7rgpLy1wi8sDOdQQKGgyfrQEen1fZpA5FPI&h=AT2LGGNhgmCQ1utALqgX_q8_59zjWElOSsFyo2vjDFYjnzBoTx6lHg-UxPXOX1_aXtTZ6iqEf0V4jGyeE1GcoY56UPl6lAd-dig5Ct3X218IunBYjEOnFXgwVTqZSo3hgKWC&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)

Random module:

[https://pythonspot.com/random-numbers/...](https://pythonspot.com/random-numbers/?fbclid=IwAR0AuKPqYR_X0_qIpGr5GIw7YYVZgo8gCxBZ06pk0bqf-7ylYIr-EuB5xa0)

7) pydoc:

[https://www.youtube.com/watch?v=Y6TgbyfKCNM...](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DY6TgbyfKCNM%26fbclid%3DIwAR0Uak9kpj8qXlTtI2F5SnBM4OprcqbKBzMHarM_gnKitgu9QlDk8FiY-XA&h=AT3lJsfsrG9h3rVs6w0f0pZltLFJ6se5N5Q07UaGcUdNF3mT_8XOh8J5e-q_Vom3TF6ZiTgWgEPsTBJn3GrAJbZaiguA8hf333d_xY7MWuzn_UGxVh1EjQfciroCU7hyhjAi&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)

😎 Operators precedence(attached below image):

[https://data-flair.training/blogs/python-operator/...](https://l.facebook.com/l.php?u=https%3A%2F%2Fdata-flair.training%2Fblogs%2Fpython-operator%2F%3Ffbclid%3DIwAR2-bycAxi42lYIkG093ij5omQ98utIJdeo3T8aGp63v4ie6EUGIlPEu4nI&h=AT14-j62f8zWal8Udi7q0JZp9v1dxRPedJejljMDLF9iy96J2Yg-hc54IZMSEd8lWoQz803fpnbEHn_-BiI8PsTif2mNKVT9konz7B8oy3DVp89ff0t4Y9-9fFnPN5s4q_k_&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)

1. Microsoft Lectures:

[https://sites.google.com/.../98-381%20exam%20%28Microsoft...](https://l.facebook.com/l.php?u=https%3A%2F%2Fsites.google.com%2Fa%2Fnu.edu.pk%2Fnoman-islam%2Fexam-98-381-introduction-to-programming-using-python%2F98-381%2520exam%2520%2528Microsoft%2520Presentations%2529.zip%3Fattredirects%3D0%26d%3D1%26fbclid%3DIwAR39ffh5aj4_S6eIi3wuw4Kls9OJwyPObKMHDp2rLVqjhlC61TN-h6fze7Q&h=AT1n1YQR_z9EiNsuVHhC57l6XjqJm1_nyCHFuO3ICzhQBjZ8FKz_5STbrcKd-W7diQRhSMWGpJ_bya-3KTPUVyEiUYeMJCt7QoZCiYZOHcz1Ncaj79zAolmTLUKTjU97vNi4&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)

**PRACTICE TESTS**

Following are few sources, that you can consult for practicing for the exam.

1. [https://www.sanfoundry.com/1000-python-questions-answers/](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.sanfoundry.com%2F1000-python-questions-answers%2F%3Ffbclid%3DIwAR3BiUN6BXmyZbf0-ClNeBuQwqn56RIZAG-3iTeAnPrNb9QIZ2H7QeesUOo&h=AT0u4QcKtTB24cstg7ujVZB3OmmyRTyVp7xjtTQg4awR1wXi7BLomyA_raT9JYyIEl398tJg1d2EvUse8qnOW4_QHm8OQdhO2JBrhfGAwlgwkrh3zcaPlYeVr3iRFlm5EH8F&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)
2. [https://www.geeksforgeeks.org/python-multiple-choice.../](https://www.geeksforgeeks.org/python-multiple-choice-questions/?fbclid=IwAR26l6V8j7nbjgRp5xawUIoqP_5uy6LgBKueoX5rx7qHHBr3x66ibuqA4U0)
3. [https://www.youtube.com/watch?v=ZscaJ1G\_s4A](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DZscaJ1G_s4A%26fbclid%3DIwAR1r1Pqc41KZGSIjrxgQDvnka1wE9xezP8BncCrkgJ0MNMNqUJkUpe2B2Ks&h=AT1LH-8BmniGJ_4DoVBraeUnpqganBs2J-5b6sU-h1WEaFl2CwrC63my7PT931F7Ivk6yEHNKST_cMwrw6XPRXPM4KjUq9BFbVcoyIHji0bc4Y4imVAGegj7Fa95d6F9Rs6T&__tn__=-UK-R&c%5b0%5d=AT3B9PMxkuVAbE3y2_w0DajNPUCWmFozJHhSTb9VDm0L9VFnRAYkDm07nhwRunyZT3fh4pzpKThoy49jvZGO3u_nDKWauFZo9pbx8gv477dTUb5cojc_qeH6fuAUzU0uTrd4neg5SOuhnR0sQuXLgr7A_C0jnQNZHNmrHZU)