

Introduction To Programming

Welcome to the NPTEL course, ‘The joy of computing’. I plan to start with the very informal session with the couple of my friends sitting here, ravikiran and sowjanya, maybe we should say hi to everyone. So I have handpicked a couple of my students who know little about programming and I would like to see how I can teach them the joy of computing. So initially this session will be more of asking questions and then answering, mostly asking questions from your side and I will try to answer at my best ok? So why are you people here firstly? Basically I want to learn programming. Right, have you tried learning programming before any time? I just tried but it seem to be really difficult sort of. So difficult hasn't you have tried programming and you found it extremely harder task to program is it? Or is it that you find it disinteresting? It is interesting but there is a notion that programming is difficult so there is that clear in us that programming is difficult so. That's true many people find programming is very difficult any particular reason why you think programming is difficult? Because the teacher who taught me was directly started that “rules should be followed” and the actual procedure there was no joy or there was no fun in it. Right, so have you used programming anywhere, let's say you had a real life situation and u felt the need to write a piece of code and then validate it and verify it or have you used programming anywhere outside your curriculum, let's say apart from course on programming huh first course on programming I am sure these days high school have, high scholars learn programming right very basic stuff and given that you people have mathematics background off course you would have learned some packages software and even programming for that matter so outside your curriculum have u tried learning something? Not really. Have you felt the need to oh here is a place where I think I should get to my desk try to write a piece of code and then to see what's the output, has that happened ever? No I have never felt the need or urge to. So the course will actually be full of that in fact we will be giving you, ok we will clear ting occasion to feel the in need to go write a piece of coded and then see what would be the output. Right? And most of the course will be simply trying to mimic a game, stimulate a game and then try to play with each other on the computer right. Heard of rock, paper scissors. Yeah so we have seen where couple of people will be playing, rock paper scissors and then person feels the need to write the computer program for it. And there are many more instances where we create that desire in you to see, if this can be programmed and seen right? Ok.