

Vysoké učení technické v Brně  
Fakulta informačních technologií

# User manual

Calculator

IVS – Project 2

## Content

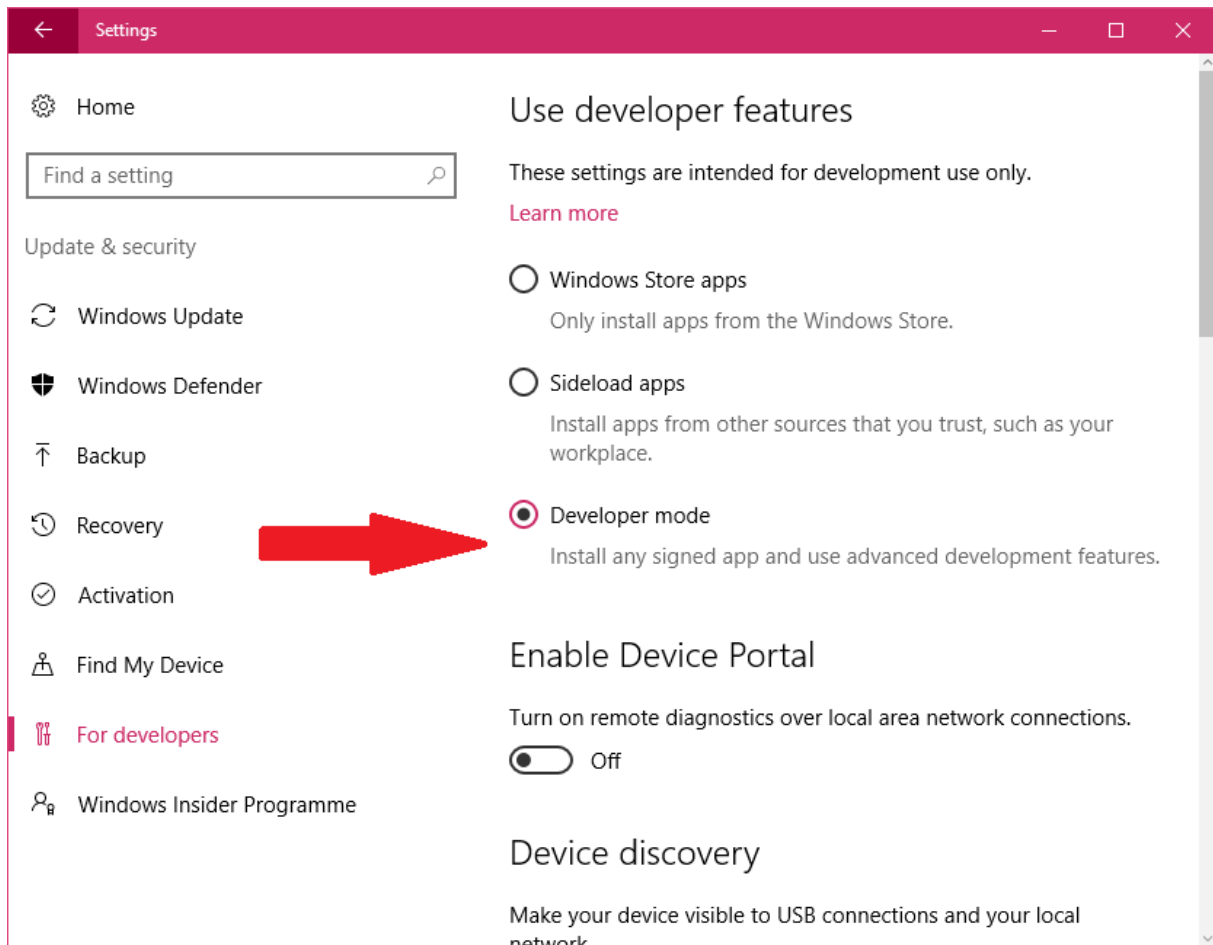
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## 1 Introduction

This document is a user manual for calculator, created by team K. I. S. S. - Keep It Simple Stupid (and Shrot). You can find there information how to install program and how to use calculator.

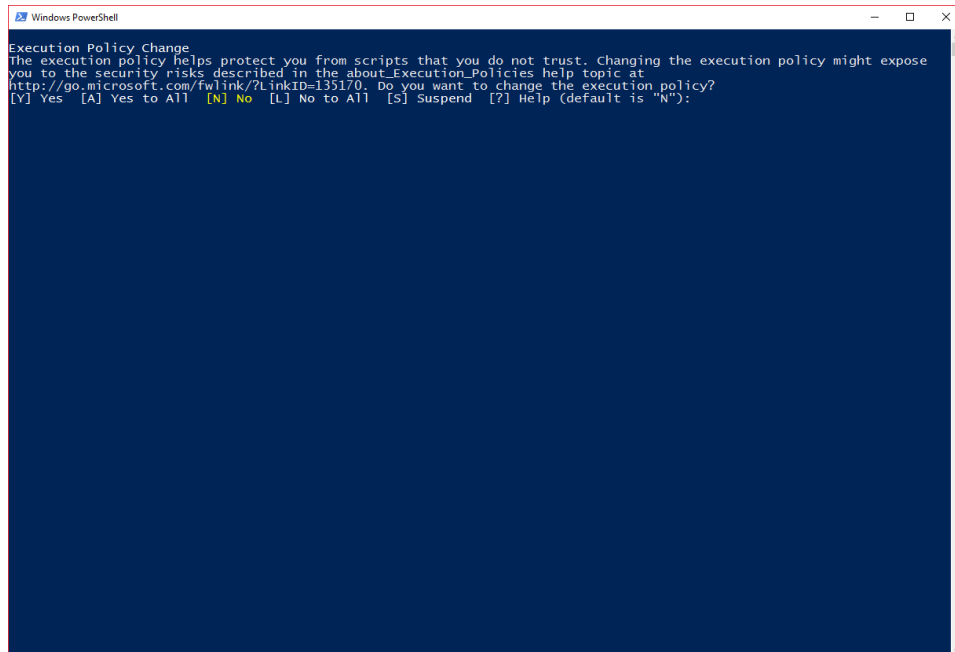
## 2 Installation

At first you need to set your computer into **Developer mode**. Go to setting, then chose **Update&Security** and click on **Developer mode**.



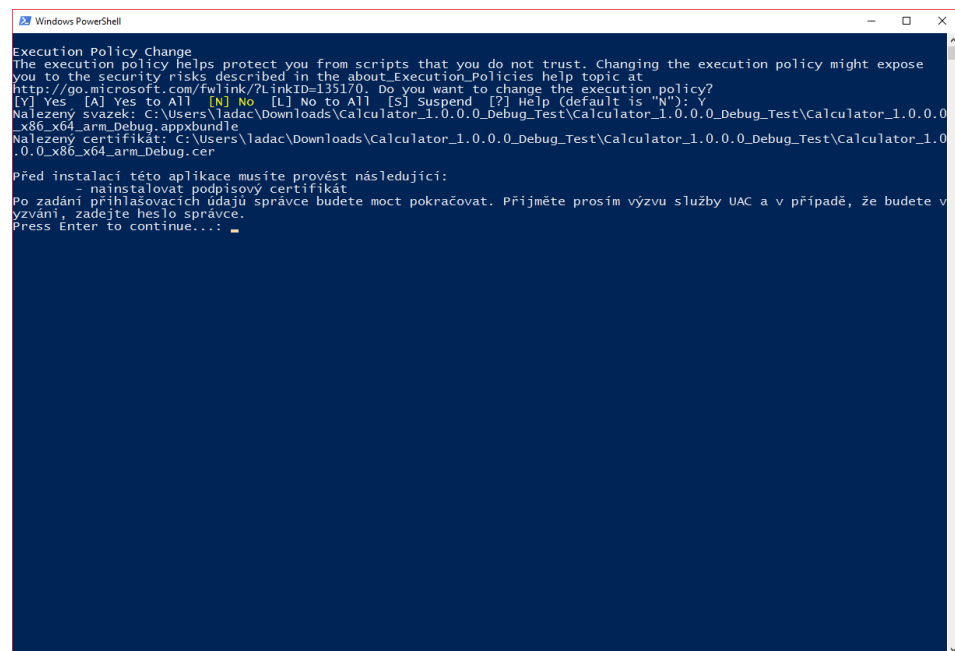
In folder **CalcINST/Calculator\_1.0.3.0\_Test** right click on **Add-AppDevPackage.ps1** and click on **Run with PowerShell**.

After launching application in PowerShell you have to agree with installation. Type **“Y”** and press **enter**.



```
Windows PowerShell
Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose
you to the security risks described in the about_Execution_Policies help topic at
http://go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the execution policy?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"):
```

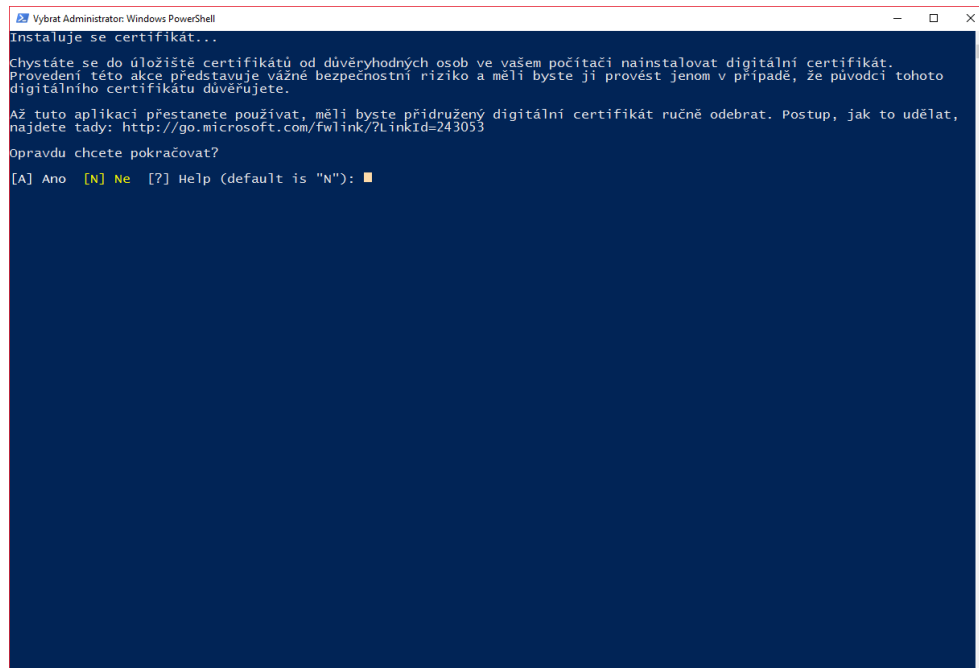
Now, you have to press **enter** again.



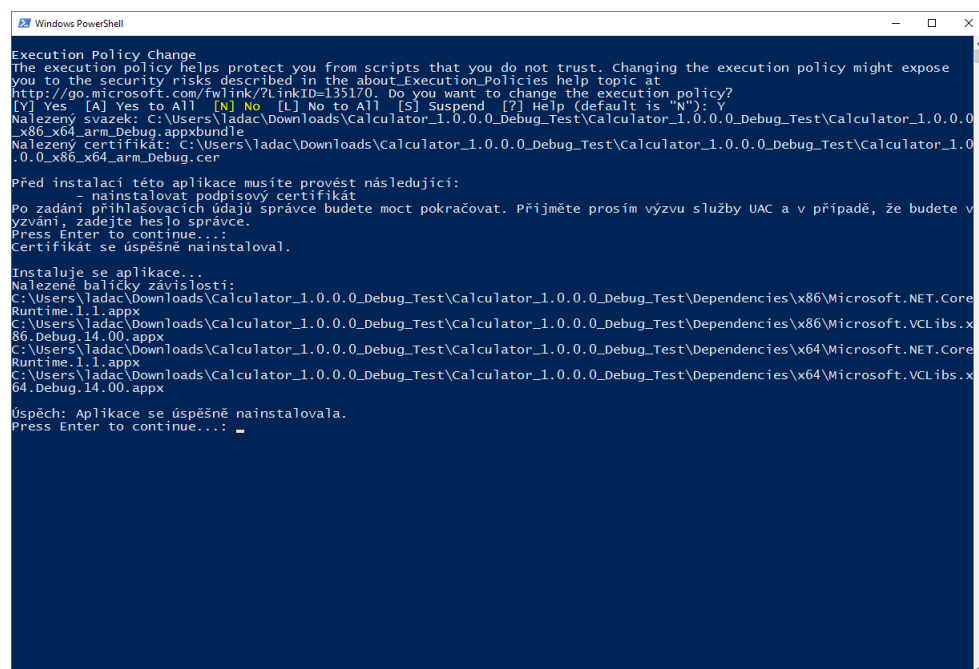
```
Windows PowerShell
Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose
you to the security risks described in the about_Execution_Policies help topic at
http://go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the execution policy?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): Y
Nalezený svazek: C:\Users\ladac\Downloads\Calculator_1.0.0.0_Debug_Test\Calculator_1.0.0.0_Debug_Test\Calculator_1.0.0.0
_x86_x64_arm_Debug.appxbundle
Nalezený certifikát: C:\Users\ladac\Downloads\Calculator_1.0.0.0_Debug_Test\Calculator_1.0.0.0_Debug_Test\Calculator_1.0
.0.0_x86_x64_arm_Debug.cer

Před instalací této aplikace musíte provést následující:
- nainstalovat podpisový certifikát
Po zadání přihlašovacích údajů správce budete moci pokračovat. Přijměte prosím výzvu služby UAC a v případě, že budete v
yzvání, zadejte heslo správce.
Press Enter to continue... █
```

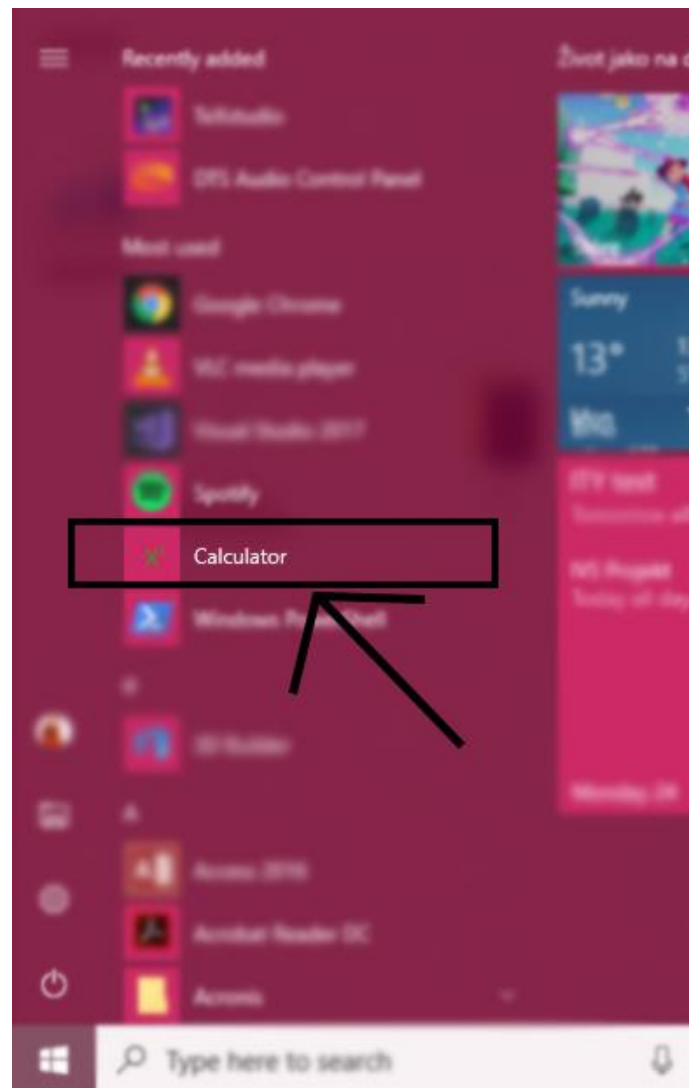
This will open another window with certificate installation. Now it will ask you for administrative permission (click yes). After that you need to write **"A"** (**"Y"** in English version) and **enter**.



At least you will see if installation was successful. Type **enter** and installation is over.



Now you will find your application in **start menu**.



### 3 Uninstallation

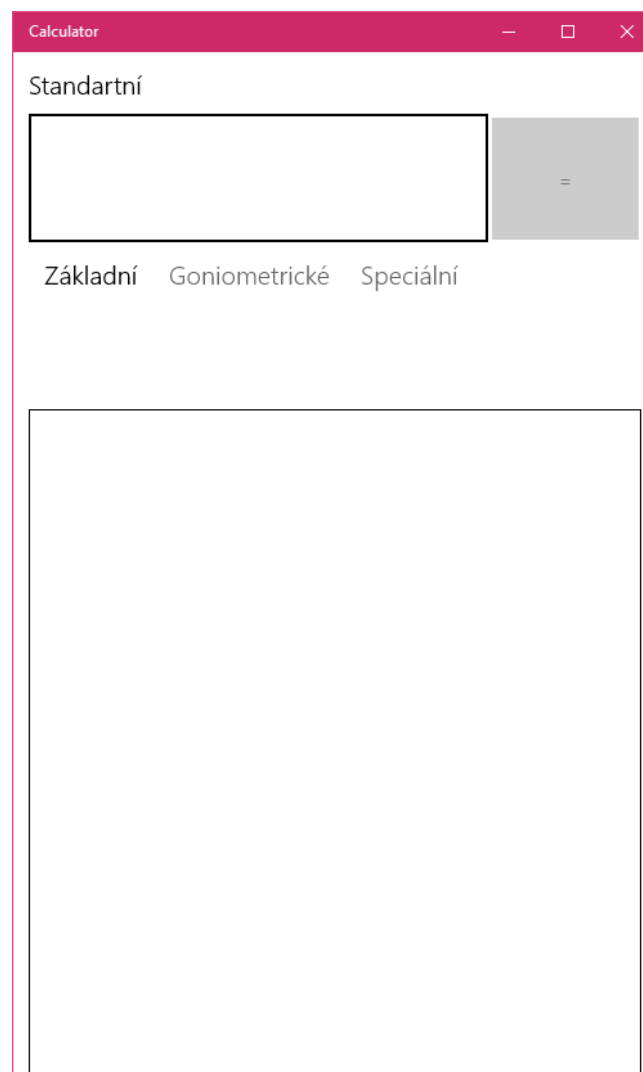
Right-Click on file **uninstall.ps1** and press **Run with PowerShell**.

Script will do all the work for you.

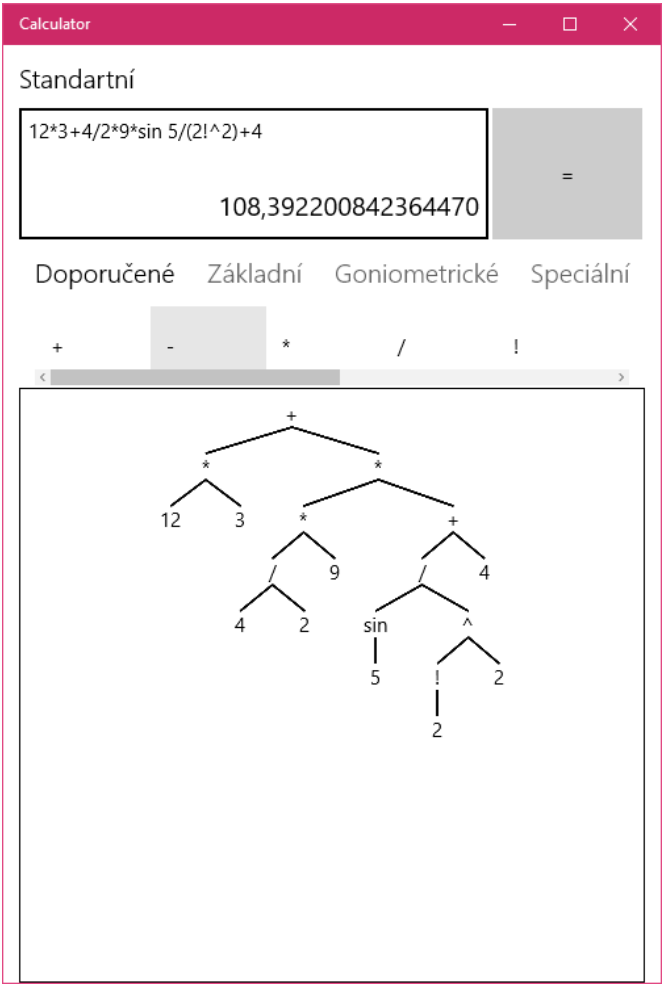
### 4 Interface and using

#### 4.1 Introduction

Interface is simple. At top you can write mathematical expressions. For calculation you can press enter or “=” button. Clicking on “X”, situated in the right corner of input area will delete whole input text. Under input area you can see three sections. Dynamic, where you can find operation that you are able to write. Second Geometrical will show you geometrical function that are implemented in calculator. Last one Special is for other functions. At least on the bottom you will find binary tree visualisation of operation priority.



4.2 Example



4.3 Other Functions

Function	Interpretation
$X^R$	$X^R$
$\log_a X$	$a \log X$
$\sqrt[n]{X}$	$n \text{ root } X \text{ or } X^{1/n}$
random number from x to y	$X \text{ rnd } y$

Function like sinus, cosinus, tangens, cotangens are counted in degrees.



## 5 Authors

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