## **PIT - Material de Apoio**

Para instalar o plugin da PIT no eclipse, clique em Help > Install New Software...
No campo work with, digite o link: <u>http://eclipse.pitest.org/release/</u> e clique na opção Add...



3 - A seguinte tela vai aparecer, clique em Add, e depois clique em Finish na tela seguinte.

Name:	PIT	Local
Location:	http://eclipse.pitest.org/release/	Archive

4 - Clique no botão Next, na tela seguinte clique em Next novamente, após isso marque a opção I accept the terms... e clique em Finish.

💽 Install			
Available Software			
Check the items that you wish to install.			
Work with: PIT - http://eclipse.pitest.org/release/	,	Y Add	Manage
type filter text			Select All
Name > 📝 🎟 Pitdipse	Version		Deselect All
1 item selected Details			]
Show only the latest versions of available software	☑ Hide items that are already installed		Ŷ
Group items by category	What is already installed?		
Show only software applicable to target environment			
$\checkmark$ Contact all update sites during install to find required software			
0	< Back Next >	Finish	Cancel

5 - Em seguida a IDE e reiniciada, para que seja concluída a instalação da PIT.

6 - Em seguida, clique no menu Window > Show view > Other... e selecione PIT Mutations e PIT Summary para habilitar a aba da ferramenta.

type filter text		
> 🗁 Maven		^
✓ → Metrics		
👖 Dependency Graph \	/iew	
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PIT Mutations		
≈ PIT Summary		
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✓ → Threshold		
Threshold Warning V	/iew	
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7 - Para executar a PIT e gerar os testes de mutação, clique com o botão direito no projeto e selecione a opção "**Run As > PIT Mutation Test**".

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> 😂 teste	<u>.</u>	Remove from Context	Ctrl+Alt+Shift+Down	crementPositiveStep5(	) {
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8 - A ferramenta vai gerar os testes de mutação de acordo com os operadores de mutação para java.



9 - E também gera um relatório que apresenta a cobertura dos casos de teste com os mutantes que foram gerados.

## **Pit Test Coverage Report**

## **Project Summary**

Number of (	Classes Li	ne Coverage	Muta	ation Covera	ge
2	15%	10/67	16%	10/62	
Breakdown	n by Package				
Breakdown Name Num	n by Package ber of Classes	Line C	overage	Mutati	on Coverage

Report generated by PIT 1.1.9