

Narration	Time
.hæM p~ sg lkÁ7lÆuntil loops gzlwhile ~ Ruby	00:01
ÐZ t™wE lsfzjqë~ sg lkkl	00:06
while loop	00:09
until loop	00:10
redo	00:11
breakgzl	00:12
• ì g™wE lë	00:13
gzl 12.04y jgzUbuntu	00:14
Ruby 1.9.3	00:17
.ì ~gzçtf• Úlk0} gønÆKÃsg lkkl	00:20
.' etfÌ D» Text-editorLgzlTerminal 0k&¾ Linux Ã\ M	00:25
.B ŠV, dz~gønÆsg lk ~ Æ7qł	00:29
.¶à- „ ~I }lett äëž, ™šc 0→Ðä™qÑ	00:34
.• DY6~I }lekł	00:38
6~I }lelooping hyphen statements Qgzlruby hyphen tutorial Q	00:41
.• _ (ÐM 0• ~g®~klë[l	00:46
:ì sfzjqø »\βwhile ~ Ruby	00:50
while "boolean expression"	00:54
eÃ ruby	00:56
end	00:57
.• ÛšwVqł	00:58
.ì Šc3~ , g lkðl' lÆRuby ž 6• D~ bÃ5qł ~ gedit	01:01
., Šxčwhile hyphen loop dot rb Ækl	01:05

.i wVwdq1A \Bwhile k0} ÷	01:09
gedit space while hyphen loop dot rb space & , TM U _{gzl} BÄi R[L	01:13
(ampersand)	
• ^M TM U _{ne} ^Ä TM uzg ~ yxq\$D 0%oz D TM g7Äb _{ik}	01:24
.i H _{ge} ^Ä \Bwhile q1ä ~ 0 ~ wVkl	01:28
.Hqzñ ^a > ð ^H ^F D0 =zD _{gzl} H _{ge} ^Ä i' y _{kz} ÄBq1ä ~ 0 →	01:32
.Vf _@ ^Ä \Bwhile q1 ~ Q	01:38
.i L ^a ñ ^Ä D-10 0i ^Ä Cf ^ Y _Ä \Bt	01:41
çñ3 _i H ^Ä fW _i puts lf _{ge} ^Ä ~ \Bwhile	01:46
• D TM Ä 1 ~ =zÄ i ^Ä i ?Ä2 ^ f M	01:51
.Çá Ä=z ^ ÄÄkLi %oz DÄ _{Sg} ! < L	01:56
.i CfÄ ~ i y _{kz} Ä%oz DÄ _{Sg} ! C	02:01
.ñYV: Jk -10 =zÄ i JkZ > 0Çi g , t	02:04
.i ñYug x _Ä while bZ 7kl	02:09
.i @Yug ^t f _b2 ^ f MzÄ @Y ^ I \B ^ Äkl	02:12
ruby space while hyphen loop dot rb , TM U _{gzl} • DY6i R0[L	02:16
.B Š2 ^ f MzL	
.if _Ä zÄk• ÄJk -9 D0 ~ 2 ^ f M	02:30
.è _Ä etf _Ä Ä TM \Bwhile ~ Ruby \ M[L	02:35
• ÜŠ \Buntil DÄ[L	02:40
:i sfzq _Ä » \Buntil ~ Ruby	02:43
until "boolean expression"	02:45
ruby code	02:47
end	02:48

	<code>. • ÜšwVqł</code>	02:50
	<code>gedit space until hyphen loop dot rb space & , ™UłgzłNY6 ì R</code> <code>(ampersand).</code>	02:52
	<code>• M™UłNēĂ™łzq ~ yxqšĐł0%oz D™łg7Ăłłk</code>	03:03
	<code>.ì Hčšē \Buntil qłä ~ ~wVkl</code>	03:07
	<code>.Hš ħšē Đo ĐłgzłHčšēi ýčzĂłqłäë</code>	03:12
	<code>. • D™čšē \Buntil qłëQ</code>	03:16
	<code>.f ~ (ª ñšĐ-10 =zĂi ýčzĂłqłäë ^ Yčšē \Bt</code>	03:18
	<code>.č} ™Cª ħšē fVč puts</code>	03:23
	<code>.ì CfłĂ 1 ~ =zĂi 0^ Ąäfłª2 ^ f M</code>	03:27
	<code>.čá Ą =zđf ĄĂkzi 0%oz Dčšēł <ł</code>	03:32
	<code>.ì Cfł ~ i ýčzĂł%oz DčšēłC</code>	03:36
	<code>.ñYV:ł -11 =zĂi łZ>0č ħšē g , t</code>	03:40
	<code>.ì ñYfÈ xđšē until bZ łkl</code>	03:43
	<code>.ì @Yłgčf ~ b2 ^ f Mzł @Y ^ ł \B^ Ąkl</code>	03:46
<code>2 ^ f Mzł</code>	<code>ruby space until hyphen loop dot rb , ™Ułgzł0 BĂi R [ł</code> <code>., ™± 5</code>	03:51
	<code>.č} ššzĂk • ł -10 Đo 2 ^ f M</code>	04:03
	<code>.èšē ääfł. †Ą™ \Buntil Cl ~ Ruby [ł \ M</code>	04:08
	<code>. • DY6 = P redo [ł</code>	04:13
	<code>:ì @f bšklø ħšē nĄredo ~ Ruby</code>	04:16
	a collection of objects.each do item	04:20
	a conditional statement	04:25
	eĂ ruby	04:27

	redo	04:28
	end conditional	04:29
	\Bend	04:30
	.i wVwdq1Ä\Bredo k0} ÷	04:32
gedit space redo hyphen loop dot rb space & ,	™UllzL • sÄi R[l (ampersand)	04:35
	• M™UllÄ™Uzg ~ yxgšD0%ozD™lg7ÄbIk	04:48
	.i HqGe®\Beach q1ä ~ ~wVkl	04:52
	.HqGe®\Beach q1äenÄäCŠª iterate 6 k• Jk 20 D10	04:55
	.• D™i Äe iHqGyH, if q1eIQ	05:00
	Çf ^ YÄnÄ•CJk 20 D10 \B	05:04
	.Çf 4š ~ ušyH, if x, äzq0t° 0i 'LÄ20 =zÄ i q1	05:08
	.i @CªHfWz puts qGe® ~ \Beach	05:15
	.Ç}™ 62 ^fM-tÄi @M4š ušyH, if xBz6Z	05:20
	.Ç}™ ^ YÄredo tQ	05:24
	.Ç}™ ^ YÄc>WÄ\Bäzq0Z{SciDf0redo	05:28
	.Ç}™ (0,, %' YÄ loop conditiont	05:31
	if i == 20i xÄ-gø	05:34
	.i á\$7D20 =zÄ i èa0Çf infinite loop³	05:38
ruby space redo hyphen loop dot rb,	™UllzL BÄi R[l	05:43
	.B Š2 ^fMzL	05:52
	.7x! l0Ä»T Çf infinite loopq1~2 ^fM	05:53
	.NlŠCtrl + C nÄä™»Ä infinite loop	05:58
	• ÜŠiHqGbreak [l	06:03

-i » break ~ Ruby	06:06
a looping statement	06:10
a conditional statement	06:12
break	06:13
end conditional	06:14
eRuby	06:16
\Bend	06:17
• ÜšwVq	06:18
gedit space break hyphen loop dot rb space , U BÄi R	06:21
ampersand.	
• U eÄ uzg ~ y xg D 00% oz D TM g 7Ä g lk	06:33
.i H e \Beach q ~ w V k ä ~	06:38
.HWE l → äežöi » bSi t	06:41
.ç} C a k • J 19 D 11 ~ i H f w ç puts V E	06:43
.i @f 4š ~ ušif y, x z 6Äi C y f 20 = z Z g l q	06:49
.çñ W Ä C D \ B t g z ç ñ W i H E G break 0 6 z 7 k l	06:54
, U BÄi R [l	06:59
ruby space break hyphen loop dot rb	07:02
. B š 2 ^ f M z l	07:05
. D V f k • J 19 D 10 ~ 2 ^ f M	07:08
.è e ä f p t E ä ~ P break C l \ M l	07:13
.i @l ~ y E g l k l .. t	07:17
. • D TM Z Ü » k l	07:20
äe ~ s g l k l	07:22

	\Bwhile	07:24
	⌘P until	07:25
	gzlredo	07:26
	5 [†] ™WE l ⌘P break	07:27
	wq ^l	07:29
	., ™İ ?Å Fahrenheit ŽBk• Jc (yxg\$Æ) 115 Đ100	07:31
	K xlb ^z 6 Ruby q ^l ñf D™WE lsfzq	07:38
	⌘P \Bf o	07:40
gzl	ì @™WE Īá ñĀXg. Celsius ĐFahrenheit ~ fgĀk• ^ ~ŠŽ	07:42
	The temperature has reached a certain degree Celsius and has	07:49
	} ™C a ^l H ^l f ^l W become unbearable	
	.f ^z Đi ^z v ~đe32] g ^l wz\$ ~ Celsius Z	07:55
	.B Šez [ø ⁶ „ sfzq	08:00
	.ì @™Z Ü»• z ⁶ sglkĀ7l	08:03
	• MNŠÆ™eByfle Đl\ bY:Bez Šhl	08:07
	:š• z ⁶ sglkĀ7l	08:10
	.ì C` \ xgzñf D™WE l», glkĀ7l	08:13
	.ì î šãĀVbz ä™k0± í Ñy Mjz	08:15
	.K bcontact@spoken-tutorial.org ōnÆ] âYh*	08:19
	.ì z »• lă} l ^l u ^l • z ⁶ sglkĀ7l	08:25
	.ì { " e xĐ S ŠAu ^l ŵpò) gfÆKİ ð ^l Æ ~eg MÝL* ^l Æ# ÓCg , t	08:29
	spoken hyphen tutorial dot org slash NMEICT hyphen] âYh* bukl	08:35
	• [ø ⁶ Intro	
	Xt] âWc äfi • Xi Ää£l s>Yz ^a ä ~ ~È ^l ogzĀF»2h ^l k ^l	08:44