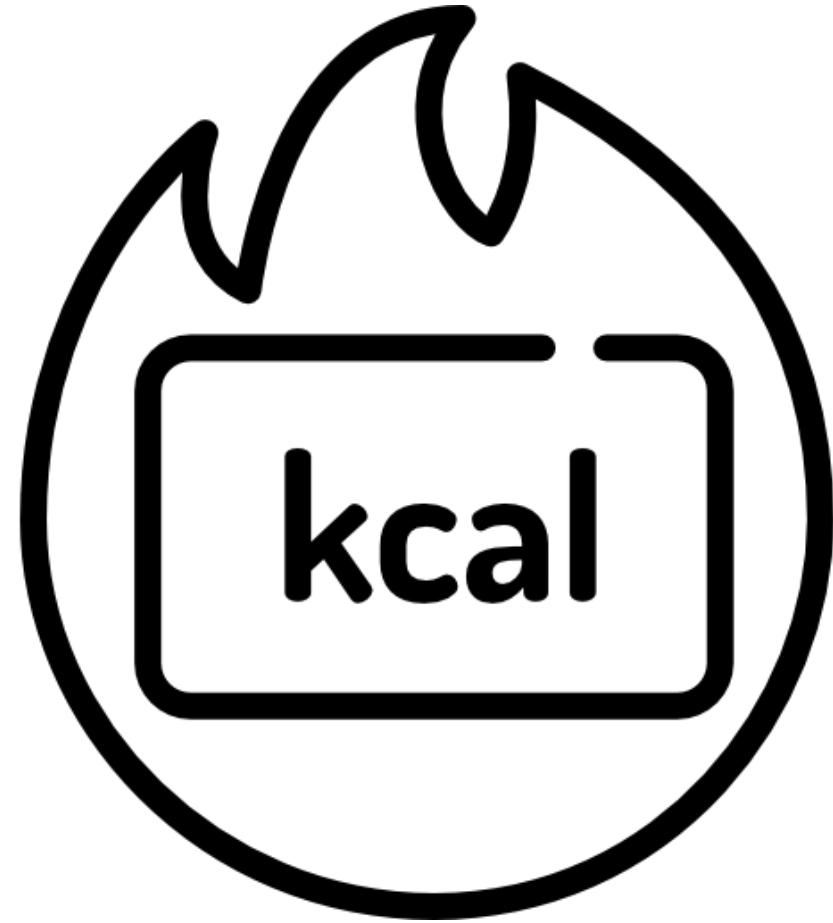
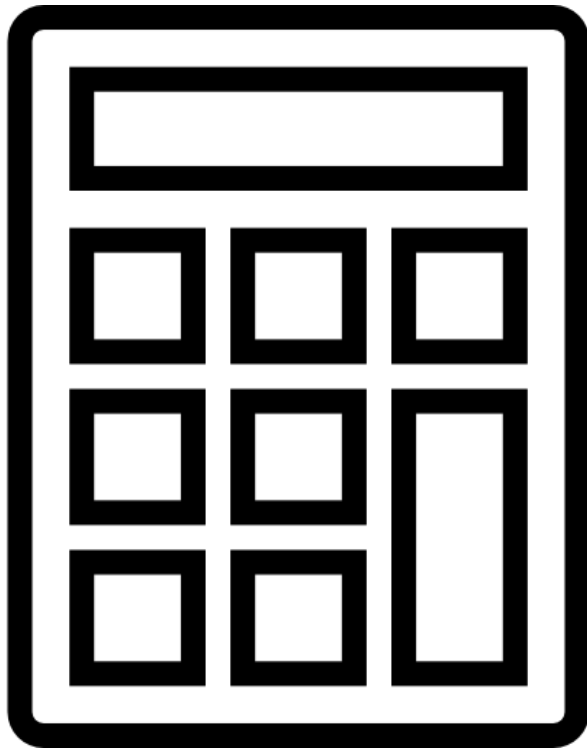


수학의 기초 + 단위변환계산기 다이어트 만보기

전자공학과 20165520 윤태희

개발목적



화면 디자인 및 컴포넌트

KT 18% 오후 10:01
Screen1

수학의 기초



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KT 18% 오후 10:01
최대 최소값 구하기

값을 입력하세요

입력

최대값구하기

최소값구하기

최대값

최소값

다시하기

뒤로가기

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KT 18% 오후 10:02
약수와 배수

약수와 배수

값입력

약수의 종류

1부터 30까지의 수중 배수의 갯수

약수구하기

배수구하기

지우기

뒤로가기

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KT 18% 오후 10:02
소수 구하기

소수구하기

값입력

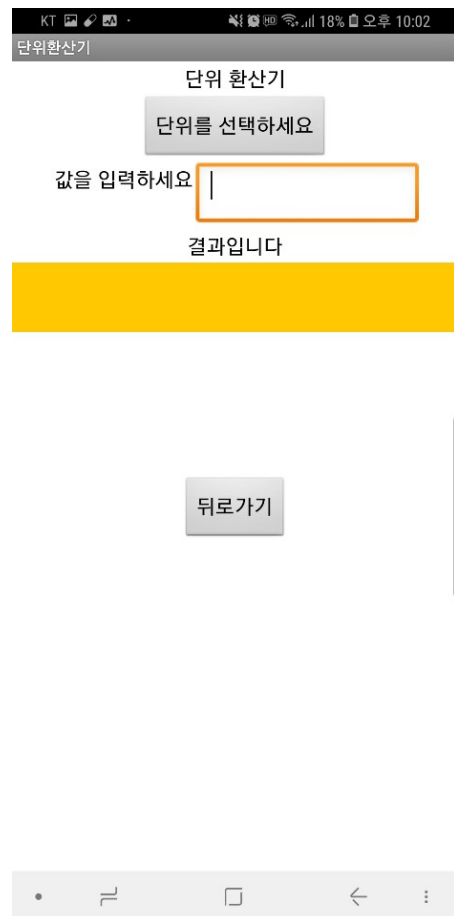
소수 판정

소수인가요?

다시하기

뒤로가기

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핵심코드 및 알고리즘

- if와 else if문 사용
- for문 사용
- WalkStep
- List 기능
- Logic 기능

```
when Button1 .Click
do open another screen screenName " CC "

when Button2 .Click
do open another screen screenName " Y_B "

when Button3 .Click
do open another screen screenName " Sosu "

when Button4 .Click
do open another screen screenName " nFac "

when Button5 .Click
do open another screen screenName " D_H "
```

```
when Button6 .Click
do open another screen screenName " diet "
```

KT KT 18% 오후 10:01
Screen1

수학의 기초

최대 최소값구하기

약수와 배수

소수 구하기

n! 구하기

단위 환산기

만보기

```

when D_H.Initialize
do set ListPicker1.Elements to get global units

```

```

initialize global units to
  make a list
    "센치 -> 인치"
    "제곱미터 -> 평"
    "섭씨 -> 화씨"

```

```

when Button1.Click
do open another screen screenName "Screen1"

```

```

when ListPicker1.AfterPicking
do
  if ListPicker1.Selection = "센치 -> 인치"
  then set TextBox2.Text to join
    TextBox1.Text × 0.3937
    "인치입니다."
  else if ListPicker1.Selection = "제곱미터 -> 평"
  then set TextBox2.Text to join
    TextBox1.Text × 0.3025
    "평입니다."
  else if ListPicker1.Selection = "섭씨 -> 화씨"
  then set TextBox2.Text to join
    TextBox1.Text × 33.8
    "화씨입니다."
  else set TextBox2.Text to "선택이 잘못 되었습니다."

```

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단위환산기

단위 환산기

단위를 선택하세요

값을 입력하세요

결과입니다

뒤로가기

• ≡ □ < ⋮

initialize global val1 to 0 initialize global val4 to 0 initialize global max to 0

initialize global val2 to 0 initialize global val5 to 0 initialize global min to 999

initialize global val3 to 0 initialize global cnt to 0

when CC.Initialize
do
 set global max to 0
 set global min to 999

when Button2.Click
do
 open another screen screenName "Screen1"

when Button1.Click
do
 set global cnt to 0
 set global val1 to 0
 set global val2 to 0
 set global val3 to 0
 set global val4 to 0
 set global val5 to 0
 set global max to 0
 set global min to 999
 set max.Text to ""
 set min.Text to ""

when input.Click
do
 set global cnt to get global cnt + 1
 if
 get global cnt ≥ 1 and get global cnt ≤ 5
 then
 if
 get global cnt = 1
 then
 set global val1 to TextBox1.Text
 set TextBox1.Text to ""
 else if
 get global cnt = 2
 then
 set global val2 to TextBox1.Text
 set TextBox1.Text to ""
 else if
 get global cnt = 3
 then
 set global val3 to TextBox1.Text
 set TextBox1.Text to ""
 else if
 get global cnt = 4
 then
 set global val4 to TextBox1.Text
 set TextBox1.Text to ""
 else if
 get global cnt = 5
 then
 set global val5 to TextBox1.Text
 set TextBox1.Text to ""

when max_cal.Click
do
 for each number from 1 to 5 by 1
 do
 if
 get global val1 > get global max
 then
 set global max to get global val1
 else if
 get global val2 > get global max
 then
 set global max to get global val2
 else if
 get global val3 > get global max
 then
 set global max to get global val3
 else if
 get global val4 > get global max
 then
 set global max to get global val4
 else if
 get global val5 > get global max
 then
 set global max to get global val5
 set max.Text to get global max

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최대 최소값 구하기

값을 입력하세요

입력

최대값구하기

최소값구하기

최대값

최소값

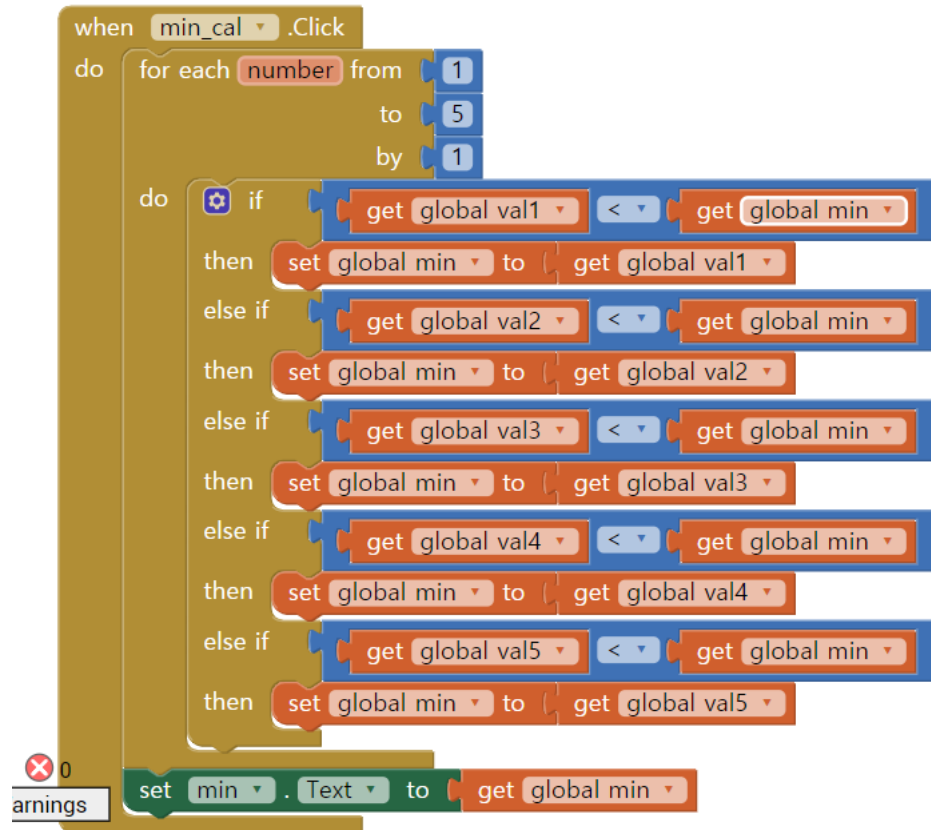
다시하기

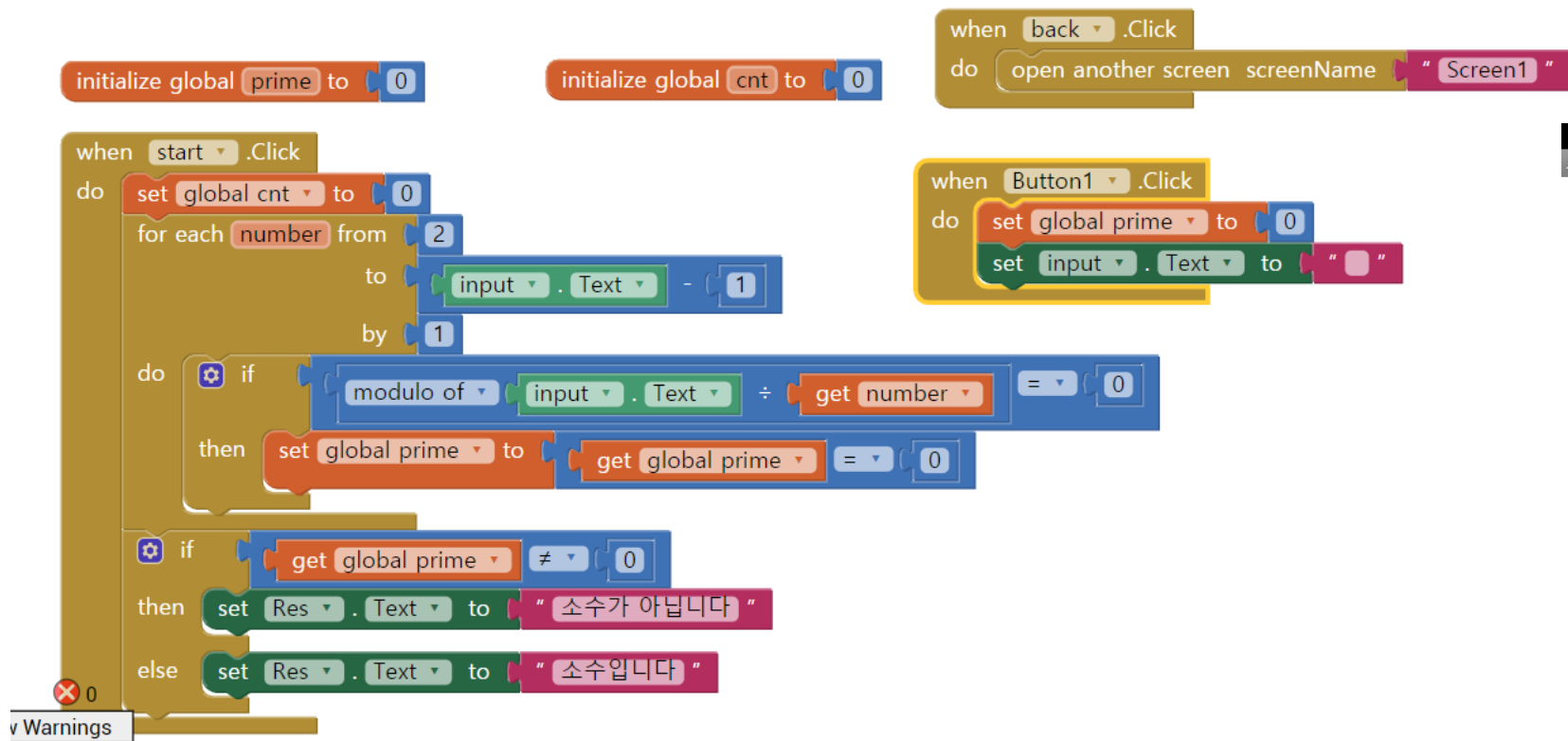
뒤로가기

⋮ □ ← ⋮



1 0
Show Warnings





```

initialize global cnt to 0
initialize global cnt2 to 1
initialize global divisor to ""

when Button1.Click
do
  set global cnt to input.Text
  for each number from 1
    to get global cnt - 1
    by 1
  do
    set global cnt2 to get global cnt2 + 1
    if remainder of input.Text ÷ get global cnt2 = 0
    then
      set global divisor to join get global divisor
      " "
      get global cnt2
  set lbl_div.Text to get global divisor

```

```

when back.Click
do
  open another screen screenName "Screen1"

```

```

initialize global imsi to 0

when Button2.Click
do
  set global imsi to 0
  set global imsi to 30 / input.Text
  set lbl_mup.Text to join get global imsi
  "개"

```

```

when Button3.Click
do
  set input.Text to ""
  set lbl_div.Text to ""
  set lbl_mup.Text to ""
  set global cnt to 0
  set global cnt2 to 0
  set global imsi to 0
  set global divisor to ""

```

약수와 배수

값입력

약수의 종류

1부터 30까지의 수중 배수의 갯수

약수구하기

배수구하기

지우기

뒤로가기

```
initialize global cal to 0

when Pedometer1.WalkStep
  walkSteps distance
do
  set global cal to (get distance) × (180 / 4000)
  set TextBox2.Text to get global cal
  set TextBox3.Text to (TextBox1.Text - get global cal)
  set 레이블1.Text to get walkSteps
  set 레이블2.Text to get distance
```

```
when Button1.Click
do
  call Pedometer1.Reset
  set global cal to 0
  set TextBox2.Text to 0
  set TextBox3.Text to 0
  set 레이블1.Text to " --- "
  set 레이블2.Text to " --- "
  call Pedometer1.Start
```

```
when Button2.Click
do
  open another screen screenName " Screen1 "
```

KT 18% 오후 10:02

diet

섭취칼로리

0

소비칼로리

0

남은칼로리

0

걸음수

--- step

거리

--- meter

시작

뒤로가기

```

initialize global fact to 1
initialize global total to 0

when back.Click
do open another screen screenName "Screen1"

when Button1.Click
do
  for each number from 1
  to input.Text
  by 1
  do
    set global fact to get global fact × get number
  set res1.Text to get global fact

```

```

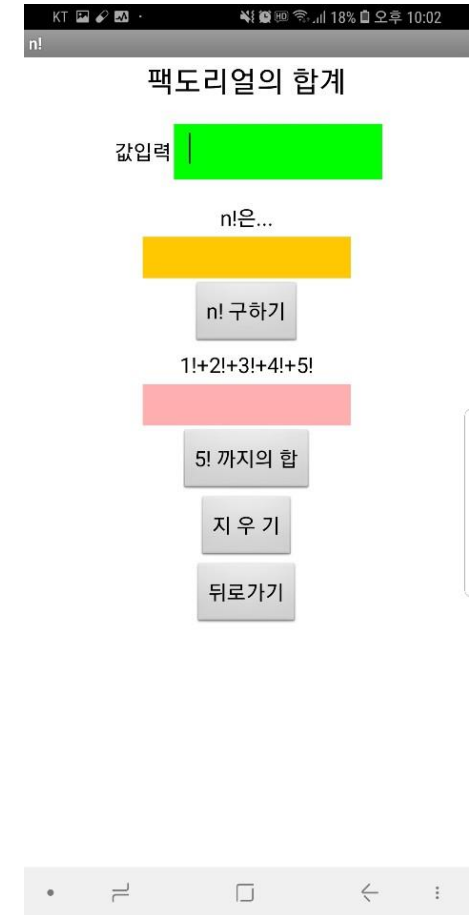
when CLS.Click
do
  set input.Text to ""
  set res1.Text to ""
  set res2.Text to ""

```

```

when Button2.Click
do
  set global fact to 1
  set global total to 0
  for each number from 1
  to 5
  by 1
  do
    for each number from 1
    to get number
    by 1
    do
      set global fact to get global fact × get number
    set global total to get global total + get global fact
    set global fact to 1
  set res2.Text to get global total

```



실행영상 유튜브 링크

- <https://youtu.be/eRK7z1ME2yk>