

Raptor - square of a number.rap

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main

```
graph TD; Start([Start]) --> Input[/enter no. of elements  
GET n/]; Input --> Decision{n > 0}; Decision -- No --> OutputWrong[/PUT "you entered  
wrong no."/]; OutputWrong --> End([End]); Decision -- Yes --> AssignI[i ← 1]; AssignI --> OutputSeries[/PUT "series is"/]; OutputSeries --> LoopStart((Loop)); LoopStart --> DecisionIgtN{i > n}; DecisionIgtN -- Yes --> End; DecisionIgtN -- No --> AssignI2[i ← i + 1]; AssignI2 --> OutputI2[/PUT i * i/]; OutputI2 --> LoopStart;
```

Variable window:
i: 8
n: 7

MasterConsole

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series is

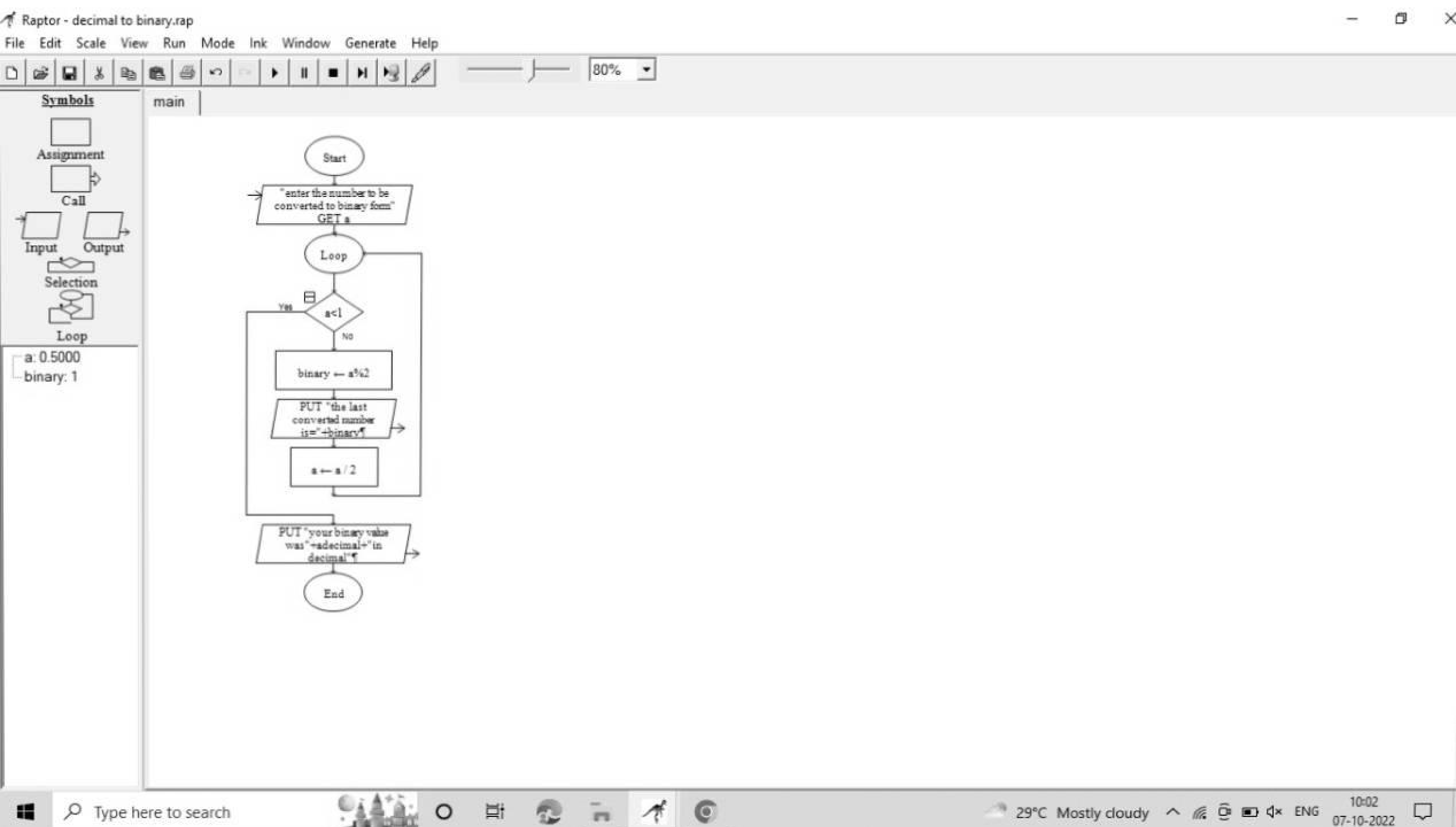
1
4
9
16
25
36
49

----Run complete. 36 symbols evaluated.----

Clear

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28°C Mostly cloudy 09:25 07-10-2022



Raptor - biggest of the three numbers.rap

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Symbols

- Assignment
- Call
- Input
- Output
- Selection
- Loop

main

```
graph TD
    Start([Start]) --> GetA[/"enter a first number"  
GET a/]
    GetA --> GetB[/"enter second number"  
GET b/]
    GetB --> GetC[/"enter third number"  
GET c/]
    GetC --> AB{a > b}
    AB -- Yes --> AC{a > c}
    AB -- No --> BC{b > c}
    AC -- Yes --> PutA[/PUT a + "is largest"/]
    AC -- No --> PutC[/PUT c + "is largest"/]
    BC -- Yes --> PutB[/PUT b + "is largest"/]
    BC -- No --> PutB
    PutA --> End([End])
    PutC --> End
    PutB --> End
```

a: 7
b: 8
c: 3

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8 is largest
----Run complete. 8 symbols evaluated.----

Clear

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29°C Mostly cloudy 10:08 07-10-2022

Raptor - leap year.rap

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Symbols

- Assignment
- Call
- Input
- Output
- Selection
- Loop

main

```
graph TD; Start([Start]) --> Loop([Loop]); Loop --> Decision1{true}; Decision1 -- No --> Loop; Decision1 -- Yes --> Input[/enter the year  
GET year/]; Input --> Decision2{year%4==0}; Decision2 -- No --> Output1[/PUT year+" is not a  
leap year"/]; Decision2 -- Yes --> Output2[/PUT year+" is a lep  
year"/]; Output1 --> End([End]); Output2 --> End;
```

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2004is a lep year

---Run complete. 7 symbols evaluated.---

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29°C Mostly cloudy

10:25
07-10-2022

Raptor - mark list.rap

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Symbols

- Assignment
- Call
- Input
- Output
- Selection
- Loop

main

```
graph TD
    Start([Start]) --> Input1[/enter the marks in subject 1<br/>GET a/]
    Input1 --> Input2[/enter the marks in subject 2<br/>GET b/]
    Input2 --> Input3[/enter the marks in subject 3<br/>GET c/]
    Input3 --> Input4[/enter the marks in subject 4<br/>GET d/]
    Input4 --> SumCalc[sum ← a + b + c + d]
    SumCalc --> AvgCalc[avg ← sum / 4]
    AvgCalc --> Output1[/PUT "total marks="+sum/]
    Output1 --> Output2[/PUT "average marks="+avg/]
    Output2 --> End([End])
```

a: 7
avg: 11.7500
b: 9
c: 12
d: 19
sum: 47

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total marks=47
average marks=11.7500
----Run complete. 10 symbols evaluated.----

Clear

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29°C Mostly cloudy 10:30

Raptor - n natural numbers.rap

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80%

Symbols

- Assignment
- Call
- Input
- Output
- Selection
- Loop

main

Flowchart:

```
graph TD
    Start([Start]) --> GetN[/"enter any number" GET n/]
    GetN --> InitI[i ← 1]
    InitI --> PutHeader[/PUT "numbers are"/]
    PutHeader --> LoopStart((Loop))
    LoopStart --> PutI[/PUT i/]
    PutI --> IncI[i ← i + 1]
    IncI --> Decision{i >= n}
    Decision -- Yes --> PutEnd[/PUT i/]
    Decision -- No --> LoopStart
    PutEnd --> End([End])
```

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2
3
4
5
6
-----Run complete. 26 symbols evaluated.-----
numbers are
1
2
3
4
5
6
7
-----Run complete. 30 symbols evaluated.-----

Clear

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10:39

Raptor - arithmetic operations.rap

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Symbols

- Assignment
- Call
- Input
- Output
- Selection
- Loop

main

```
graph TD
    Start([Start]) --> GetA[/"enter the first number"  
GET a/]
    GetA --> GetB[/"enter the second number"  
GET b/]
    GetB --> Sum["sum ← a + b"]
    Sum --> Sub["sub ← a - b"]
    Sub --> Mul["mul ← a * b"]
    Mul --> Div["div ← a % b"]
    Div --> PutSum[/PUT "addition=" + sum/]
    PutSum --> PutSub[/PUT "subtraction=" + sub/]
    PutSub --> PutMul[/PUT "multiplication=" + mul/]
    PutMul --> PutDiv[/PUT "division=" + div/]
    PutDiv --> End([End])
```

a: 8
b: 9
div: 8
mul: 72
sub: -1
sum: 17

MasterConsole

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addition=17
subtraction=-1
multiplication=72
division=8
----Run complete. 12 symbols evaluated.----

Clear

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10:35

Raptor - palindrome.rap

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Symbols

- Assignment
- Call
- Input
- Output
- Selection
- Loop

main

```
graph TD; Start([Start]) --> GetNum[/enter the number  
GET num/]; GetNum --> Rev0[rev ← 0]; Rev0 --> TempNum[temp ← num]; TempNum --> Loop((Loop)); Loop --> Num0{num = 0}; Num0 -- Yes --> TempRev{temp = rev}; Num0 -- No --> Remainder[remainder ← num % 10]; Remainder --> RevCalc[rev ← rev * 10 + remainder]; RevCalc --> NumFloor[num ← floor(num / 10)]; NumFloor --> Loop; TempRev -- Yes --> Palindrome[/PUT "given number is  
palindrome"/]; TempRev -- No --> NotPalindrome[/PUT "given number is  
not a palindrome"/]; Palindrome --> End([End]); NotPalindrome --> End;
```

num: 0
remainder: 1
rev: 51
temp: 15

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given number is not a palindrome

----Run complete. 19 symbols evaluated----

Clear

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30°C Cloudy

10:44
07-10-2022

Raptor - octal to decimal.rap

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Symbols

- Assignment
- Call
- Input
- Output
- Selection
- Loop

main

decimal 53.3333
i 11
n 0

Flowchart:

```
graph TD
    Start([Start]) --> GetN[/"enter any number"  
GET n/]
    GetN --> Dec0[decimal ← 0]
    Dec0 --> I0[i ← 0]
    I0 --> Loop((Loop))
    Loop --> Cond{n <= 0}
    Cond -- Yes --> Put[/PUT "the decimal  
value="+decimal*/]
    Put --> End([End])
    Cond -- No --> IncI[i ← i + 1]
    IncI --> Add[decimal ← decimal +  
(n%10) * 8]
    Add --> Div[n ← n / 10]
    Div --> Loop
```

MasterConsole

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the decimal value=53.3333

----Run complete. 63 symbols evaluated.----

Clear

Type here to search

30°C Cloudy 10:50 07-10-2022