

Raptor - sum of square of odd numbers.rap

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80%

Symbols

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

main

```
graph TD; Start([Start]) --> Input[/"enter the number" GET n/]; Input --> i1[i ← 1]; i1 --> sum0[sum ← 0]; sum0 --> Loop((Loop)); Loop --> sumCalc[sum ← sum + i * i]; sumCalc --> iInc[i ← i + 2]; iInc --> Decision{i > n}; Decision -- Yes --> Output[/PUT "sum of square of odd numbers" sumf/]; Output --> End([End]); Decision -- No --> Loop;
```

i: 9
n: 7
sum: 84

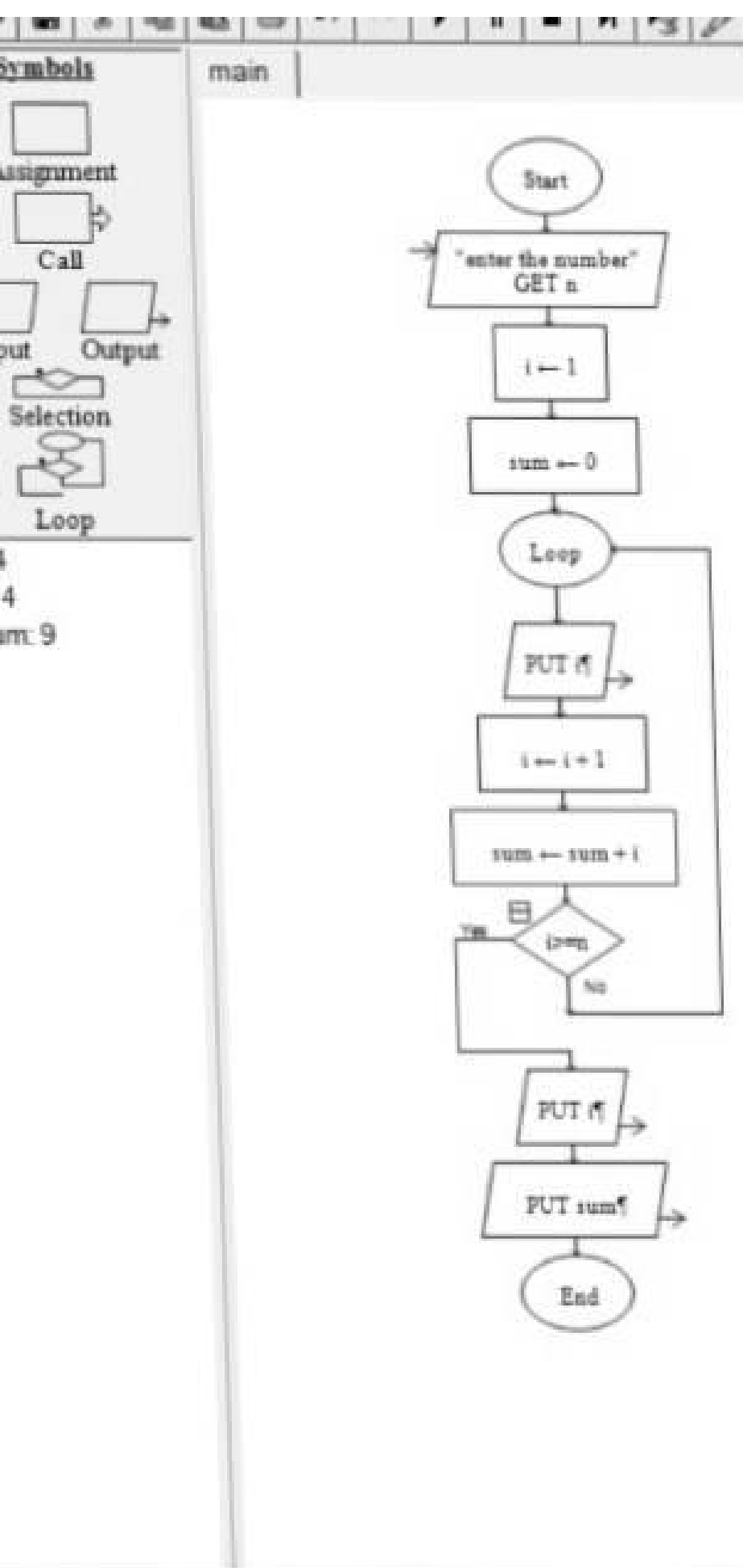
MasterConsole

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sum of square of odd numbers84

----Run complete. 22 symbols evaluated----

Clear



MasterConsole

```
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6
Variable SUMI not found!
----Error, run halted----
1
2
3
4
Variable SUMI not found!
----Error, run halted----
1
2
3
4
5
----Run complete. 22 symbols evaluated.----
```

Raptor - sum of square of numbers.rap

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Symbols

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

main

```
graph TD; Start([Start]) --> Input[/enter the number  
GET n/]; Input --> i1[i ← 1]; i1 --> sum0[sum ← 0]; sum0 --> LoopConnector((Loop)); LoopConnector --> sumAdd[sum ← sum + i * i]; sumAdd --> iInc[i ← i + 1]; iInc --> Decision{i >= n}; Decision -- Yes --> Output[/PUT sum of square of  
natural numbers/]; Output --> End([End]); Decision -- No --> LoopConnector;
```

i: 8
n: 7
sum: 140

MasterConsole

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sum of square of natural numbers285
----Run complete. 42 symbols evaluated.----
sum of square of natural numbers140
----Run complete. 34 symbols evaluated.----
sum of square of natural numbers140
----Run complete. 34 symbols evaluated.----

Clear

Raptor - sum of square of even numbers.rap

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Symbols

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

main

```
graph TD; Start([Start]) --> Input[/enter the number  
GET n/]; Input --> i2[i ← 2]; i2 --> sum0[sum ← 0]; sum0 --> Loop((Loop)); Loop --> iplus[i ← i + 2]; iplus --> sumadd[sum ← sum + (i * i)]; sumadd --> Decision{i >= n}; Decision -- Yes --> Output[/PUT sum of square of  
even number sum/]; Output --> End([End]); Decision -- No --> iplus;
```

Symbol Table:

- i: 6
- n: 6
- sum: 52

MasterConsole

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sum of square of even number52

----Run complete. 14 symbols evaluated----

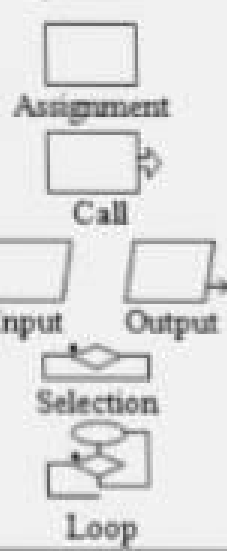
Clear

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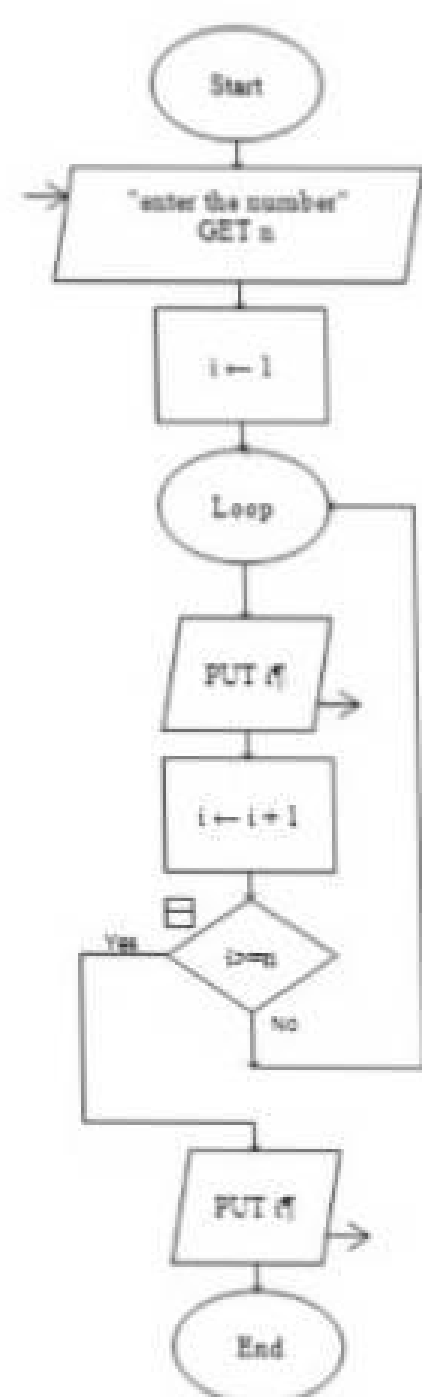
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Symbols



4
y. 4

main



Raptor - sum of even.rap

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80%

Symbols

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

main

```
graph TD; Start([Start]) --> Input[/"enter the number" GET n/]; Input --> iAssign[i ← 2]; iAssign --> sumAssign[sum ← 0]; sumAssign --> LoopConnector((Loop)); LoopConnector --> iOutput[/PUT i/]; iOutput --> iInc[i ← i + 2]; iInc --> sumInc[sum ← sum + i]; sumInc --> Decision{i >= n}; Decision -- No --> LoopConnector; Decision -- Yes --> sumOutput[/PUT sum/]; sumOutput --> End([End]);
```

i: 6
n: 5
sum: 10

MasterConsole

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2
4
6
10
----Run complete. 17 symbols evaluated----

Clear

32° ENG IN 14:05 03-10-2022

Raptor - Untitled

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100%

Symbols

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

main

```
graph TD; Start([Start]) --> Input[/"enter the number" GET n/]; Input --> Assign[i ← 2]; Assign --> LoopConnector((Loop)); LoopConnector --> Output1[/PUT i/]; Output1 --> Assign2[i ← i + 2]; Assign2 --> Decision{i >= n}; Decision -- No --> LoopConnector; Decision -- Yes --> Output2[/PUT i/]; Output2 --> End([End]);
```

i: 6
n: 6

MasterConsole

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2
4
6
---Run complete. 13 symbols evaluated---

Clear

31° ENG IN 13:24 03-10-2022

Raptor - odd numbers.rap

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100%

Symbols

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

main

```
graph TD; Start([Start]) --> GetN[/"enter the number"  
GET n/]; GetN --> I1[i ← 1]; I1 --> Loop((Loop)); Loop --> PutI[/PUT i/]; PutI --> I2[i ← i + 2]; I2 --> Cond{i >= n}; Cond -- Yes --> PutI; Cond -- No --> Loop; PutI --> End([End]);
```

i: 7
n: 7

MasterConsole

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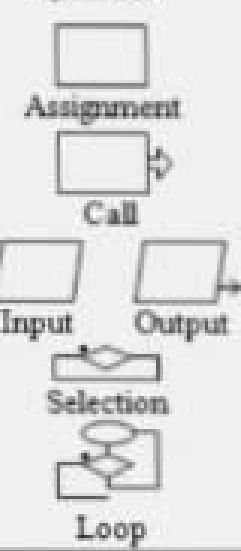
```
1  
3  
5  
7  
---Run complete. 17 symbols evaluated.---
```

Clear

31° ENG IN 13:29 03-10-2022

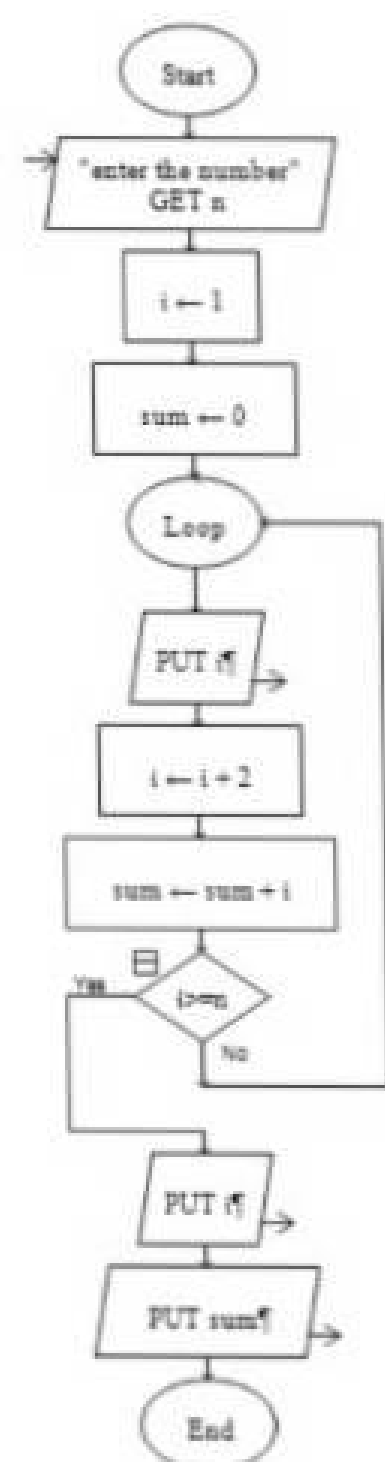


Symbols



i: 7
n: 6
sum: 15

main



Raptor - sum of cube of numbers.rap

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Symbols

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

main

```
graph TD; Start([Start]) --> Input[/enter the number  
GET n/]; Input --> AssignI[i ← 1]; AssignI --> AssignSum[sum ← 0]; AssignSum --> Loop([Loop]); Loop --> Decision{i >= n}; Decision -- Yes --> Output[/PUT sum of cube of  
natural numbers/]; Output --> End([End]); Decision -- No --> CalcSum[sum ← sum + i * i * i]; CalcSum --> AssignIPlus1[i ← i + 1]; AssignIPlus1 --> Loop;
```

i: 7
n: 6
sum: 441

MasterConsole

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sum of cube of natural numbers441

----Run complete. 30 symbols evaluated----

Clear

32° ENG IN 14:36 03-10-2022