

# SASL (programming language)

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**SASL** (from **S**t **A**ndrews **S**tatic **L**anguage, alternatively **S**t **A**ndrews **S**tandard **L**anguage) is a purely functional programming language developed by David Turner at the University of St Andrews in 1972, based on the applicative subset of ISWIM.<sup>[1]</sup> In 1976 Turner redesigned and reimplemented it as a non-strict (lazy) language.<sup>[2]</sup> In this form it was the foundation of Turner's later languages KRC and Miranda, but SASL appears to be untyped whereas Miranda has polymorphic types.

Burroughs Corporation used SASL to write a compiler and operating system.<sup>[3]</sup>

## SASL

<b>Paradigm</b>	<u>functional</u>
<b>Designed by</b>	<u>David Turner</u>
<b>First appeared</b>	1972
<b>Influenced by</b>	
<u>ISWIM</u>	
<b>Influenced</b>	
<u>KRC</u> , <u>Miranda</u> , <u>Haskell</u>	

## Notes

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- Turner, An implementation of SASL
- Turner , A New Implementation Technique for Applicative Languages, pages 31-49
- Turner, D. A. "Some History of Functional Programming Languages" (<https://www.cs.kent.ac.uk/people/staff/dat/tfp12/tfp12.pdf>) (PDF).

## External links

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- The SASL Language Manual (<https://web.archive.org/web/20150402133901/http://www.eis.mdx.ac.uk/staffpages/dat/saslman.pdf>)

## References

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- Turner, D.A. "An Implementation of SASL". *University of St. Andrews, Department of Computer Science Technical Report*. TR/75/4.
- Turner, D.A. (1979). "A New Implementation Technique for Applicative Languages". *Software: Practice and Experience*. **9**: 31–49. doi:10.1002/spe.4380090105 (<https://doi.org/10.1002/spe.4380090105>). S2CID 40541269 (<https://api.semanticscholar.org/CorpusID:40541269>).

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