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Global Programming Language Market Size study & Forecast, by Medium (Offline, Online), by Language (C, Python, JavaScript, Go, Ruby, Others), by End-User (Academic, Corporate) and Regional Analysis, 2022-2029

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Abstracts

Global Programming Language Market is valued at approximately USD 154.70 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 10.5% over the forecast period 2022-2029. Programming Language refers to a computer language used by software developers to develop software programs, scripts, and other sets of instructions for computers to execute. There are different types of languages that are used by developers such as C, Python, JavaScript, Ruby, PHP, and Go among others. Moreover, as per GeeksforGeeks Portal – as of 2022, Python is used as the main coding language by around 80% of developers worldwide. Python is followed by Java, which has been used in more than 3 billion devices, and JavaScript, used by more than 97% of websites. The increasing expansion of machine learning and AI technologies and growing adoption of cloud solutions across industries as well as strategic initiatives from leading market players are key factors accelerating the market growth.

The increasing expansion of machine learning and artificial intelligence technologies is contributing to the growth of the Global Programming Language Market. For instance, according to Statista – in 2019, the global artificial intelligence market was valued at USD 14.69 billion, and the global artificial intelligence (AI) software market is projected to grow to USD 126 billion by 2025. Moreover, in Sept 2021, the U.S. Department of Energy (DOE) announced a grant of USD 16 million for five collaborative research projects to develop artificial intelligence (AI) and machine learning (ML) algorithms to facilitate scientific insights and discoveries from data generated by computational simulations, experiments, and observations. Also, rising advancements in programming

languages and growing popularity of online learning Bootcamp courses would create a lucrative growth prospectus for the market over the forecast period. However, the high cost associated with programming Language training stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Programming Language Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading region in terms of market share owing to presence of leading market players and increasing adoption of AI and ML technologies across the industries in the region. Whereas Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as rising digitization across different industries as well as growing expansion of IT industry in the region.

Major market players included in this report are:
Aptech Ltd.
Coursera Inc.
Data Camp Inc.
edX Inc.
Global Knowledge Training LLC
Learning Tree International Inc.
NetCom Learning
NIIT Ltd.
Udacity Inc.
Udemy Inc.

Recent Developments in the Market:
In August 2019, Coursera Inc. acquired Rhyme Softworks. Rhyme Softworks has built a platform that enables developers to build hands-on, virtual e-learning projects that can be executed from a user’s internet browser.

Global Programming Language Market Report Scope:
Historical Data 2019-2020-2021
Base Year for Estimation 2021
Forecast period 2022-2029
Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends
Segments Covered Medium, Language, End-user, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst’s working

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hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Medium
Offline
Online

By Language
C
Python
JavaScript
Go
Ruby
Others

By End-User
Academic
Corporate

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy

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ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

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